

Fig. 1

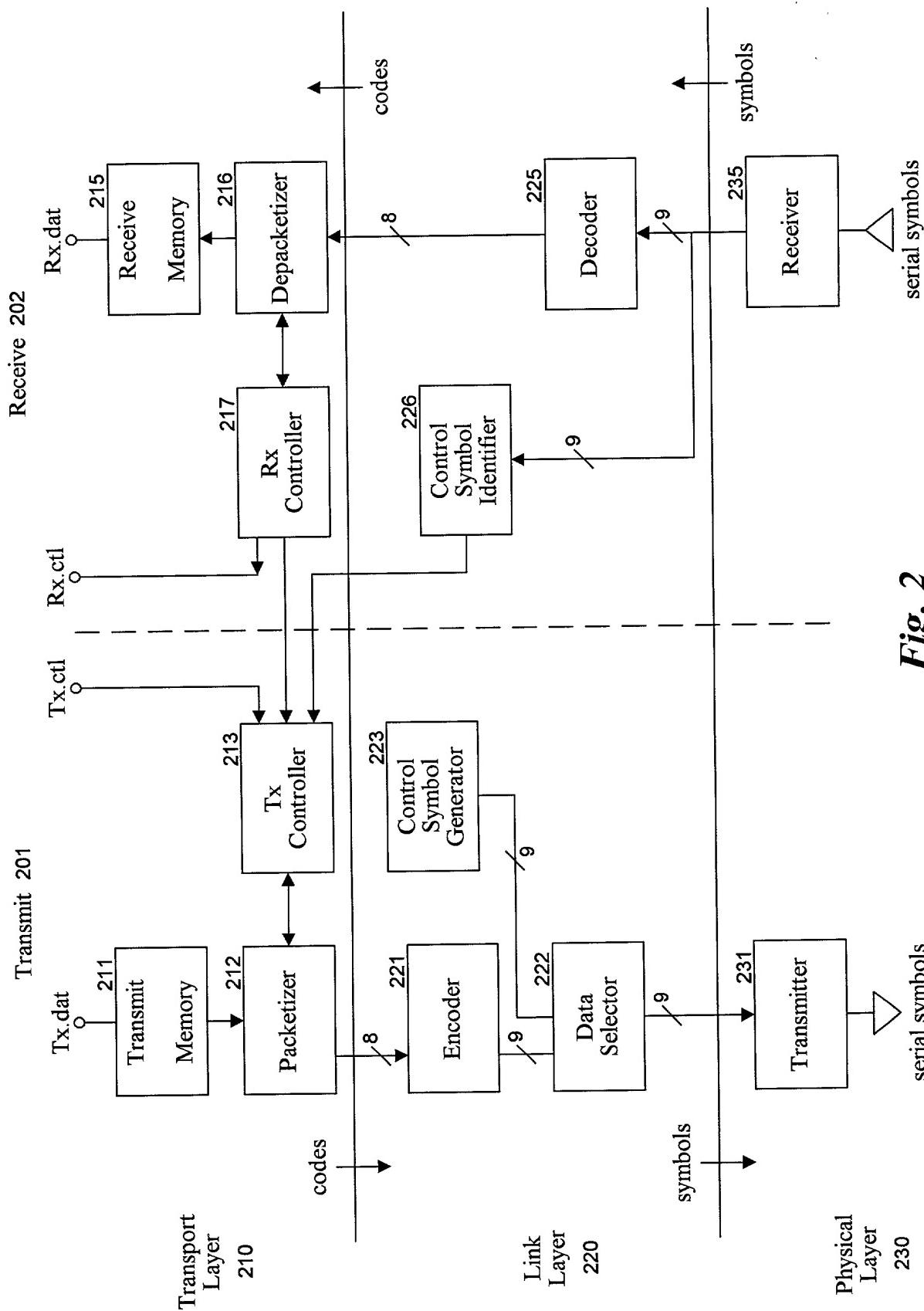


Fig. 2

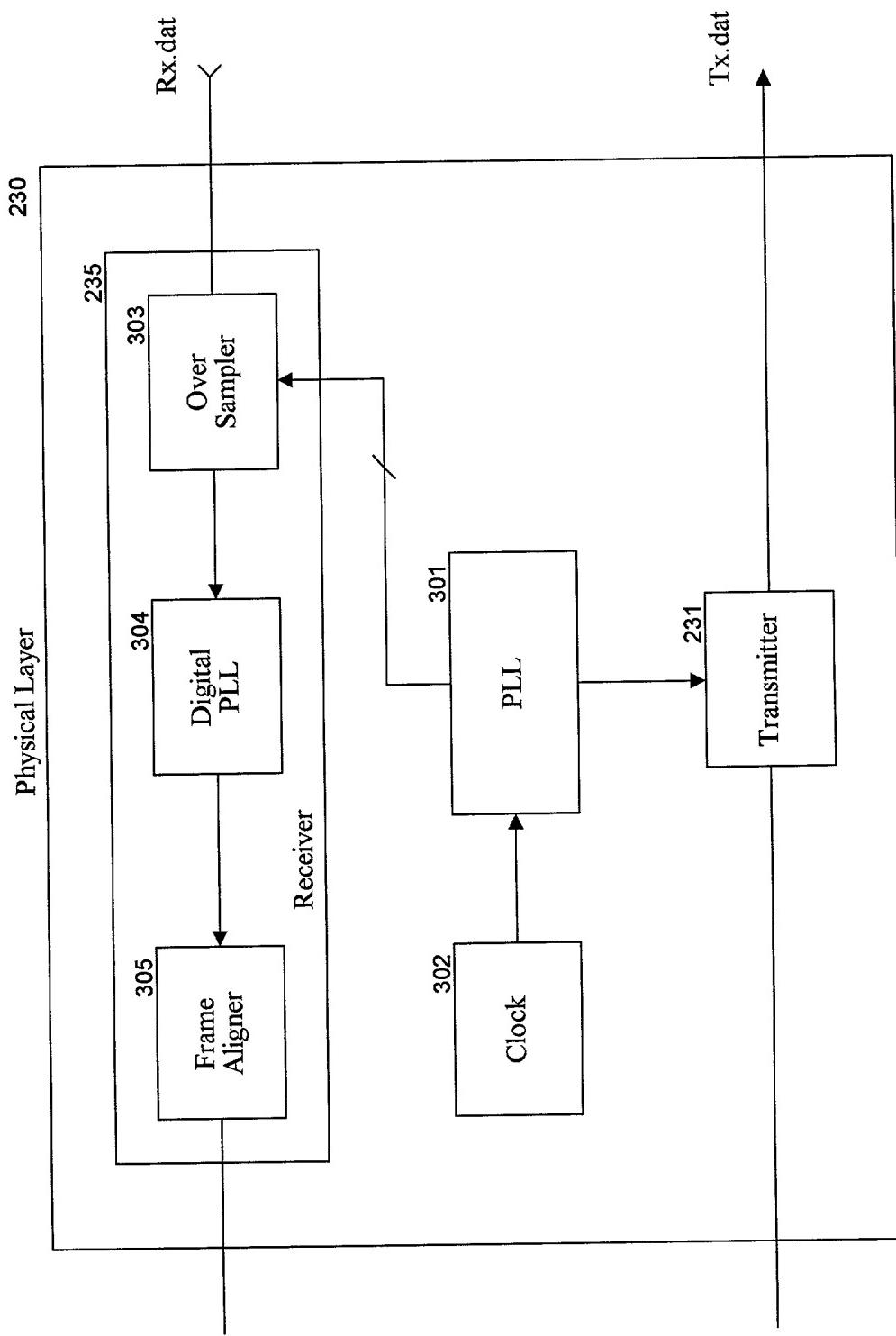


Fig. 3

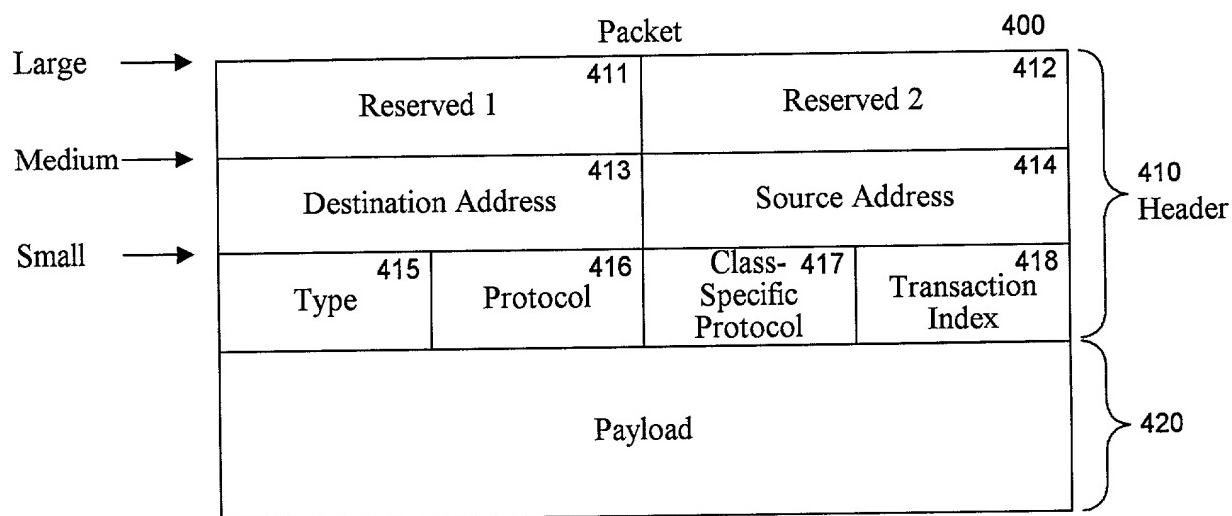


Fig. 4

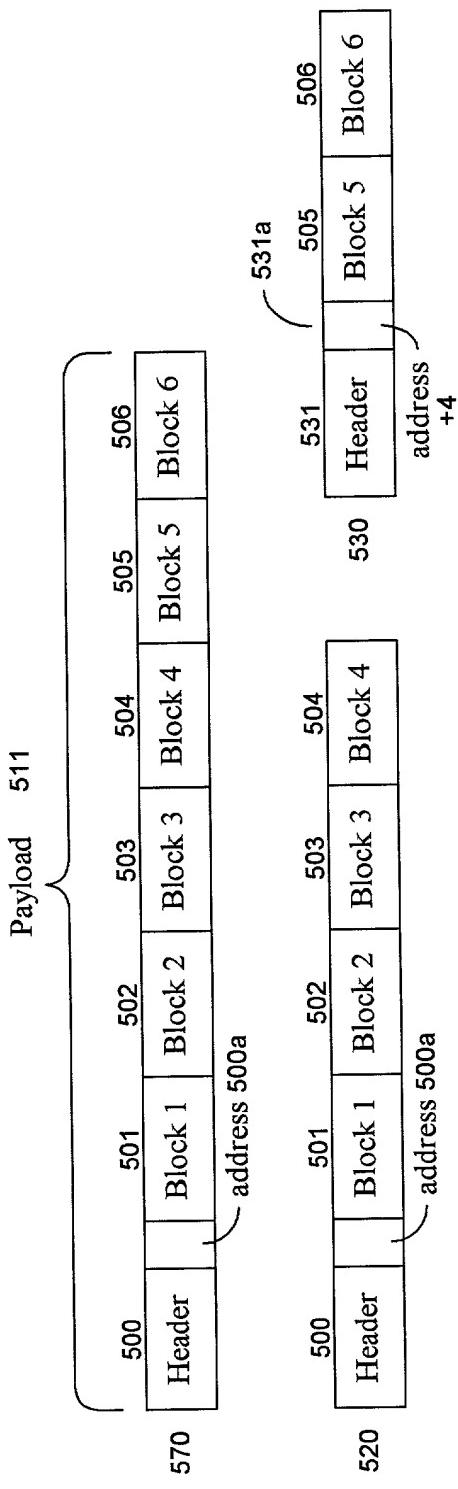
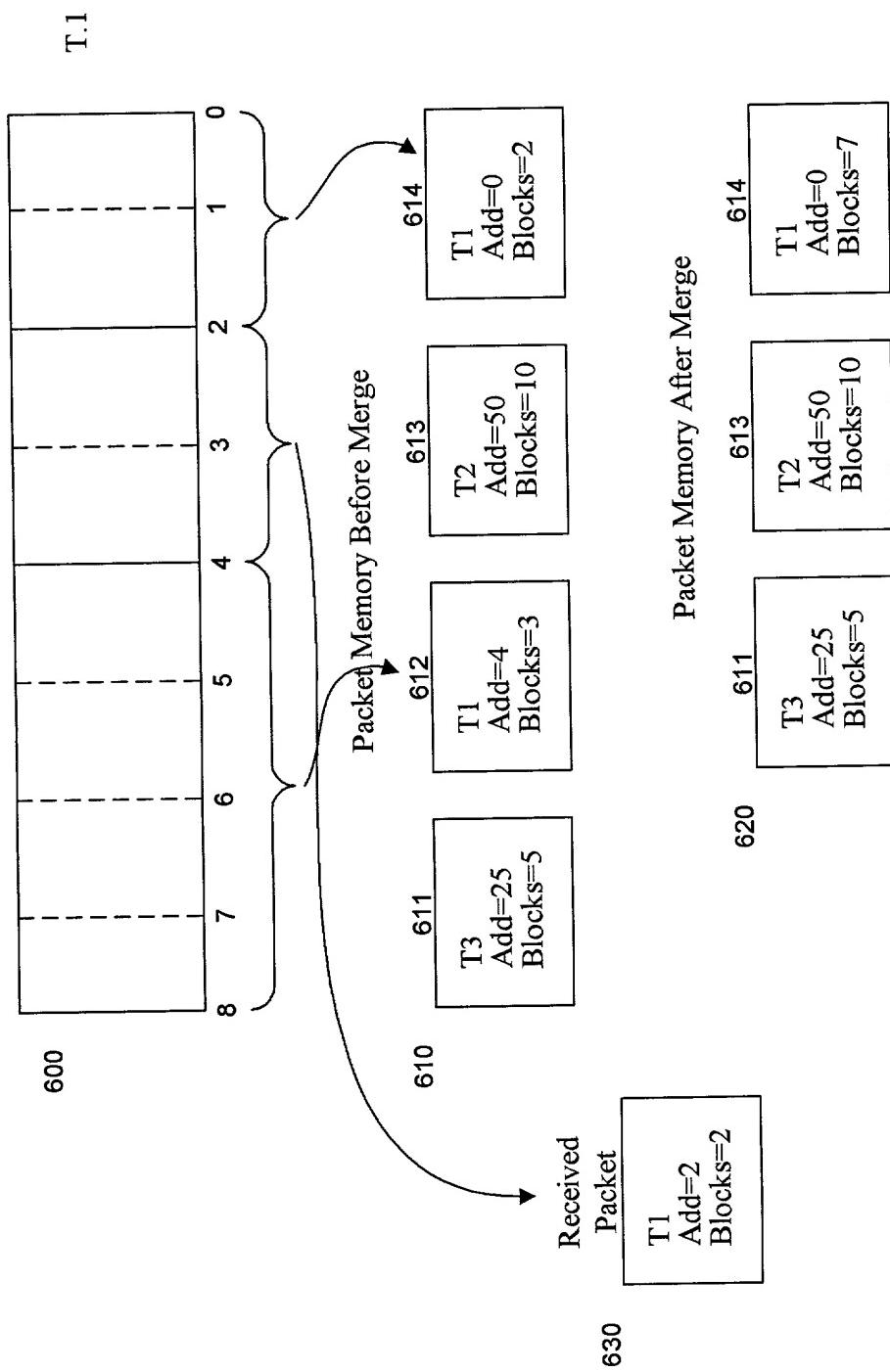


Fig. 5

Fig. 6



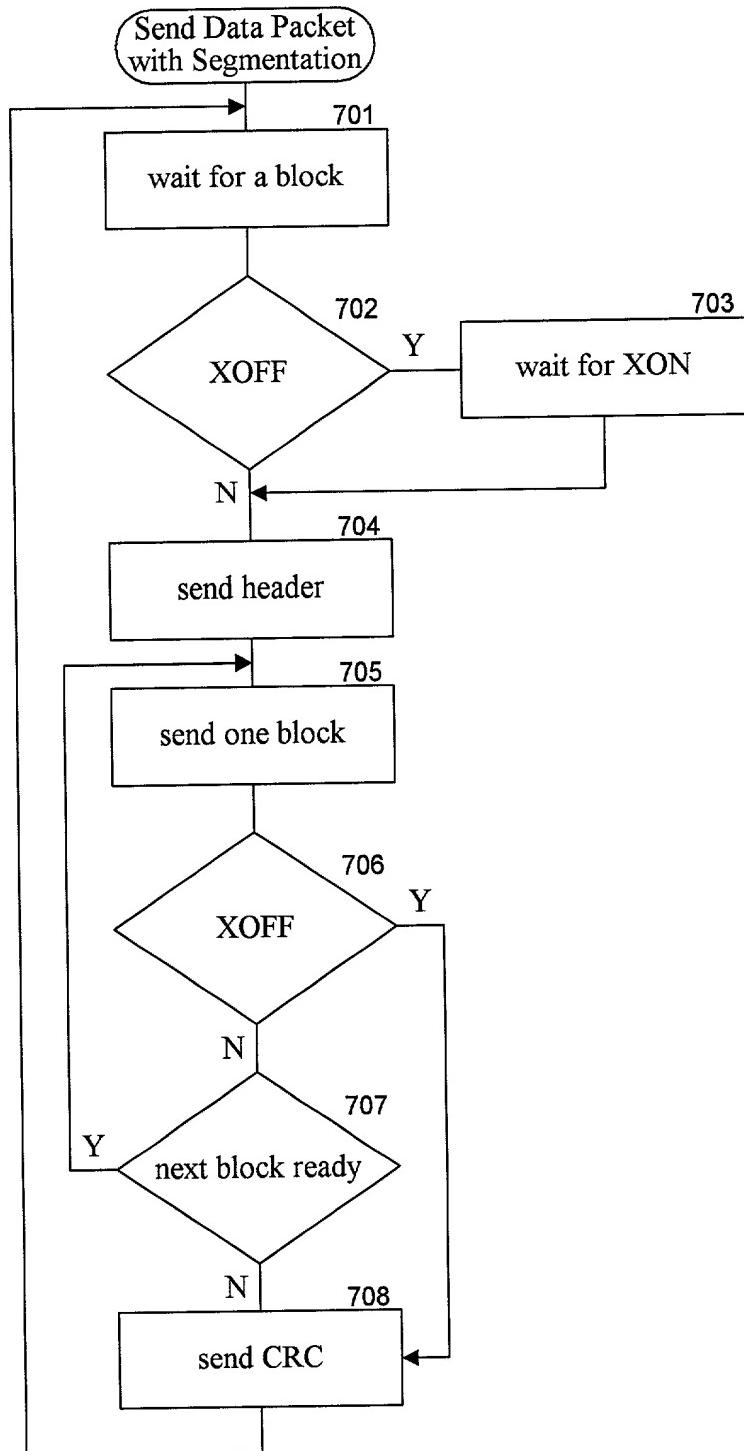


Fig. 7

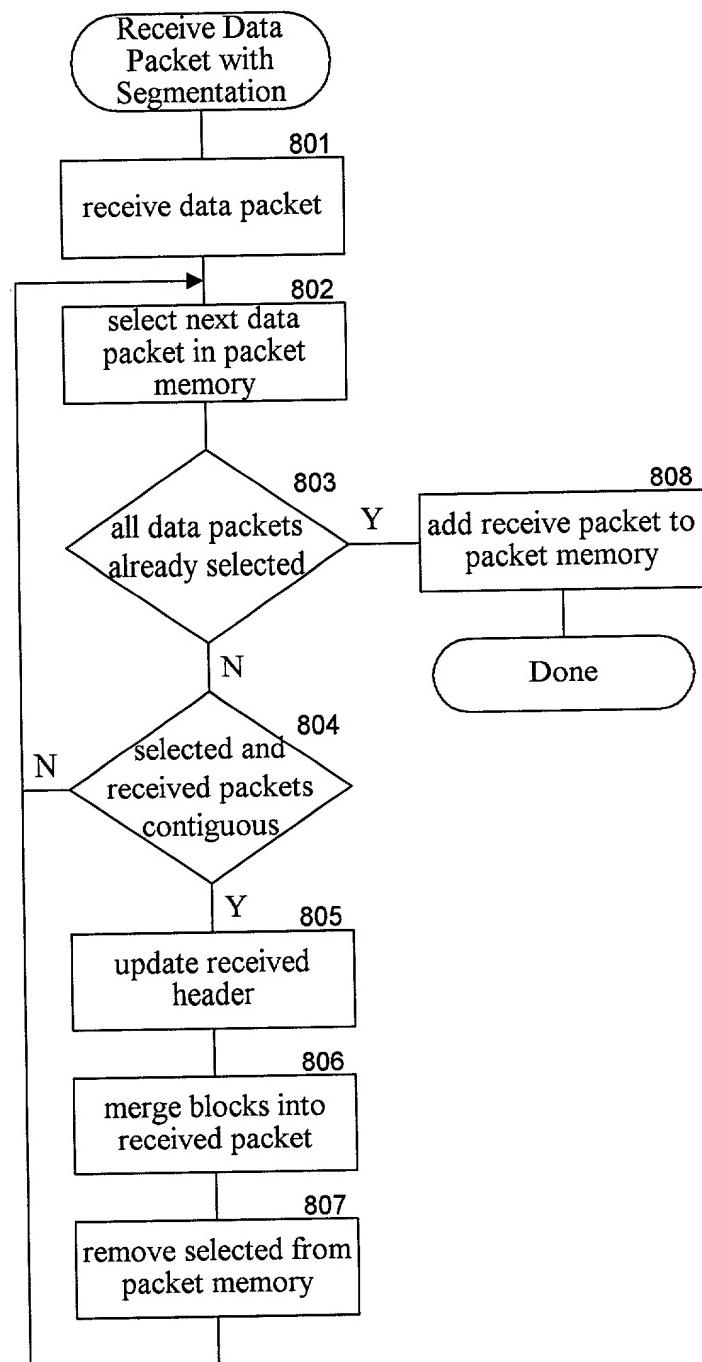


Fig. 8

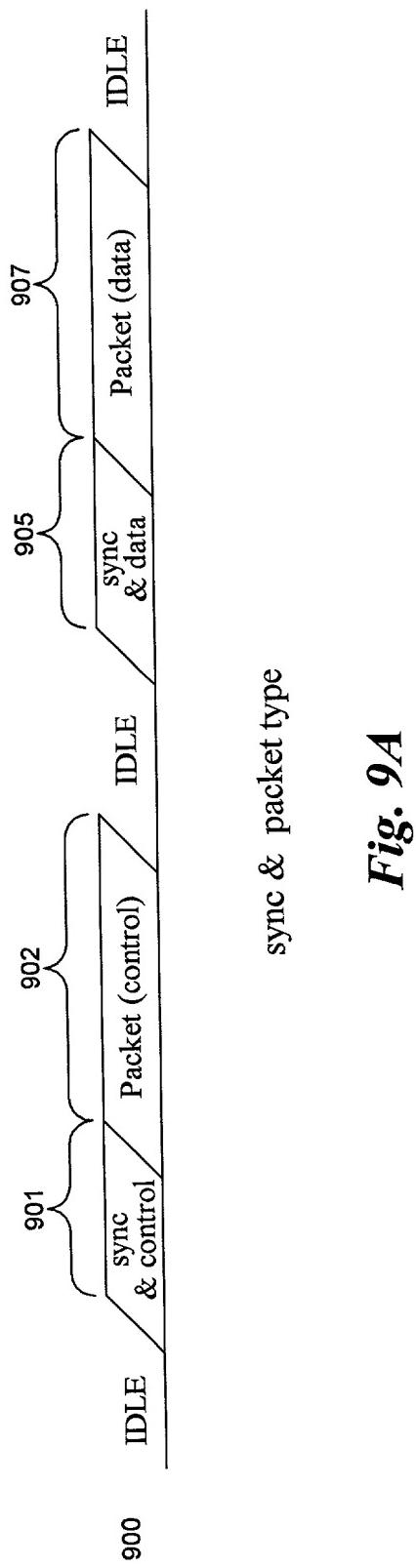


Fig. 9A

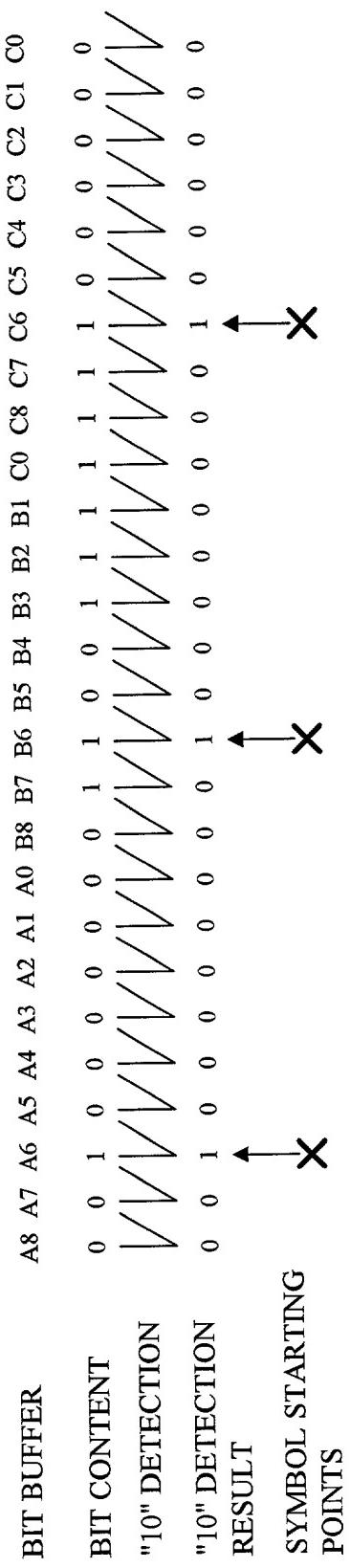


Fig. 9B

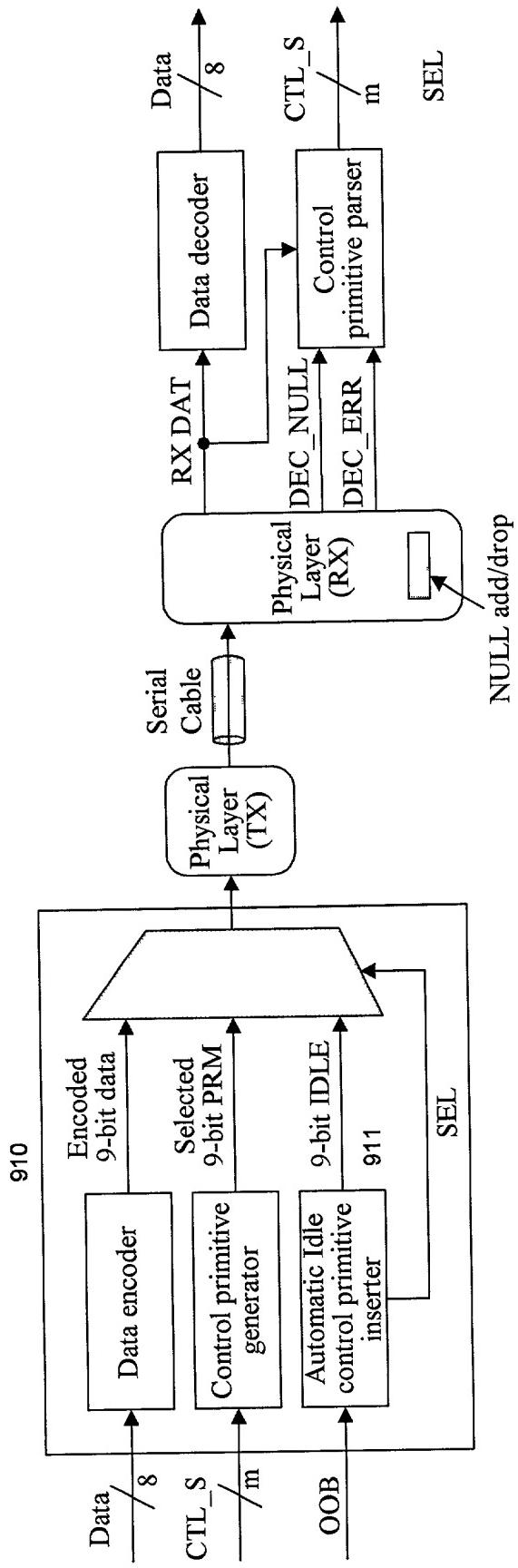
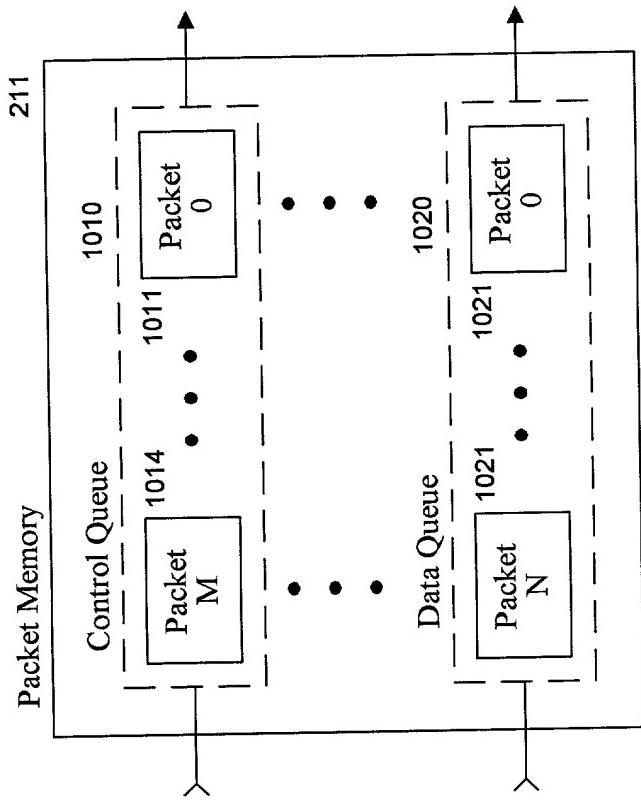


Fig. 9C

Fig. 10



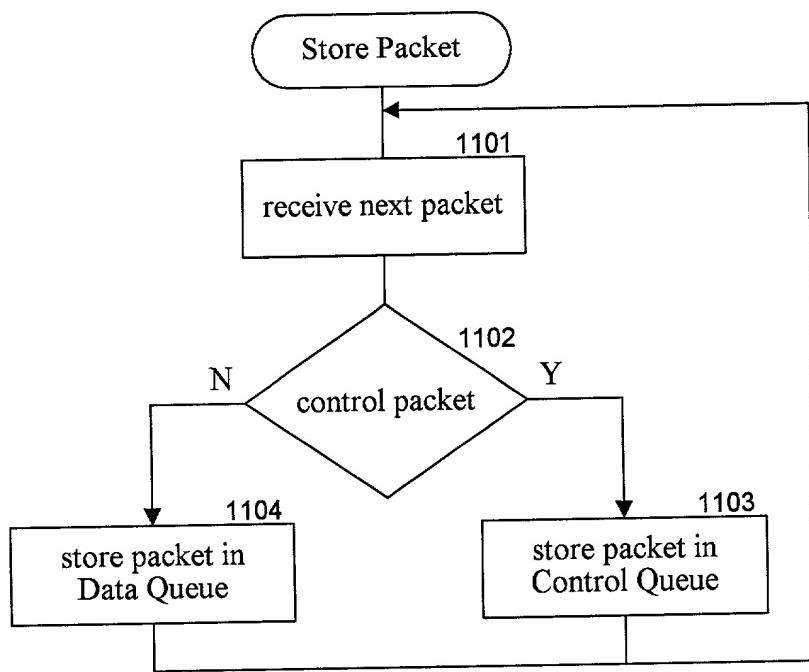


Fig. 11

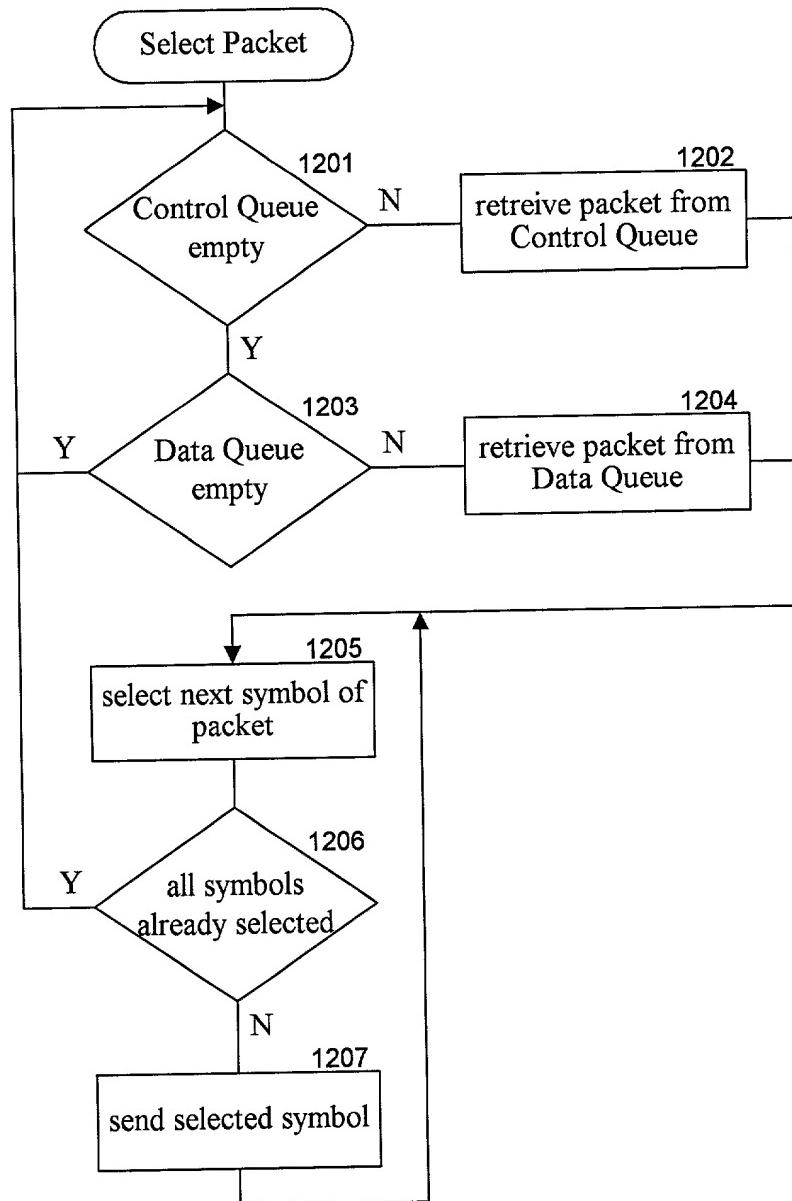


Fig. 12

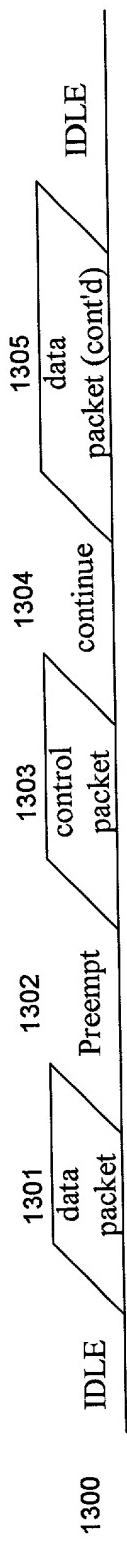


Fig. 13

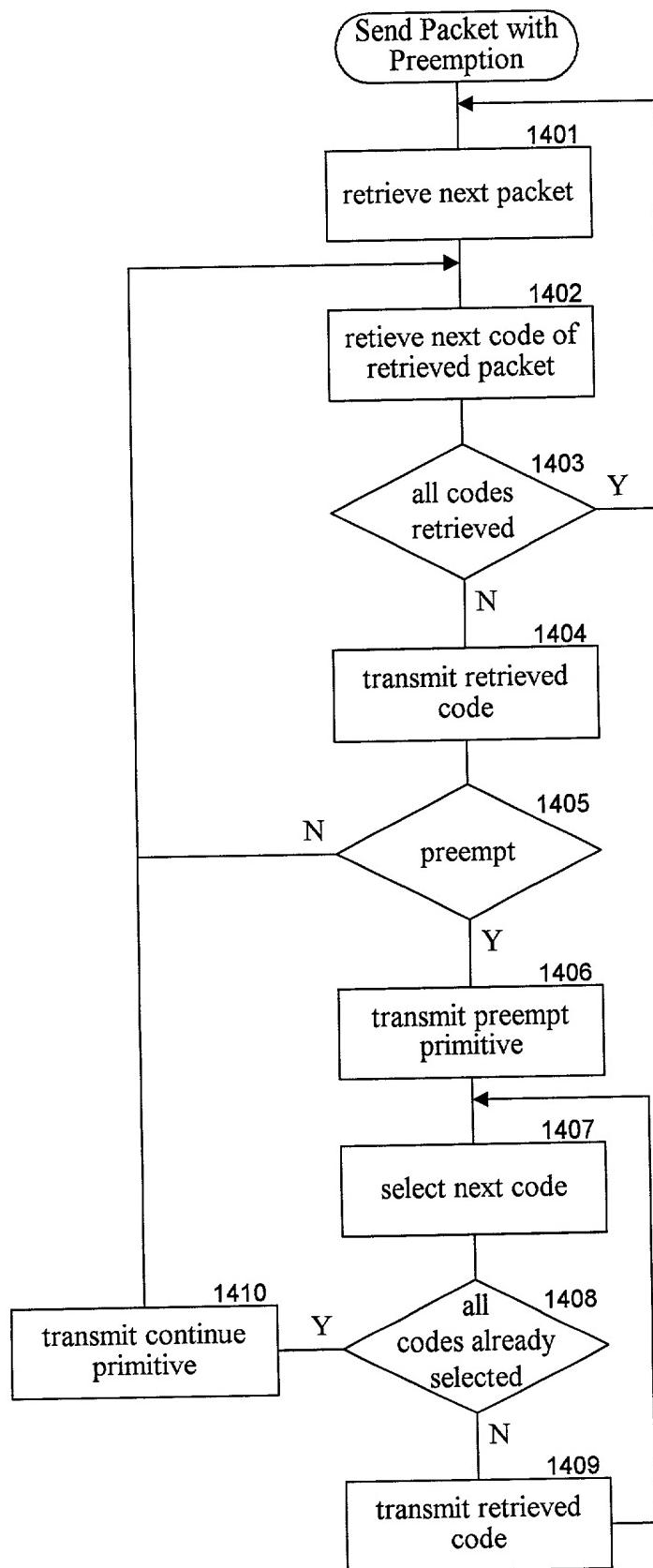


Fig. 14

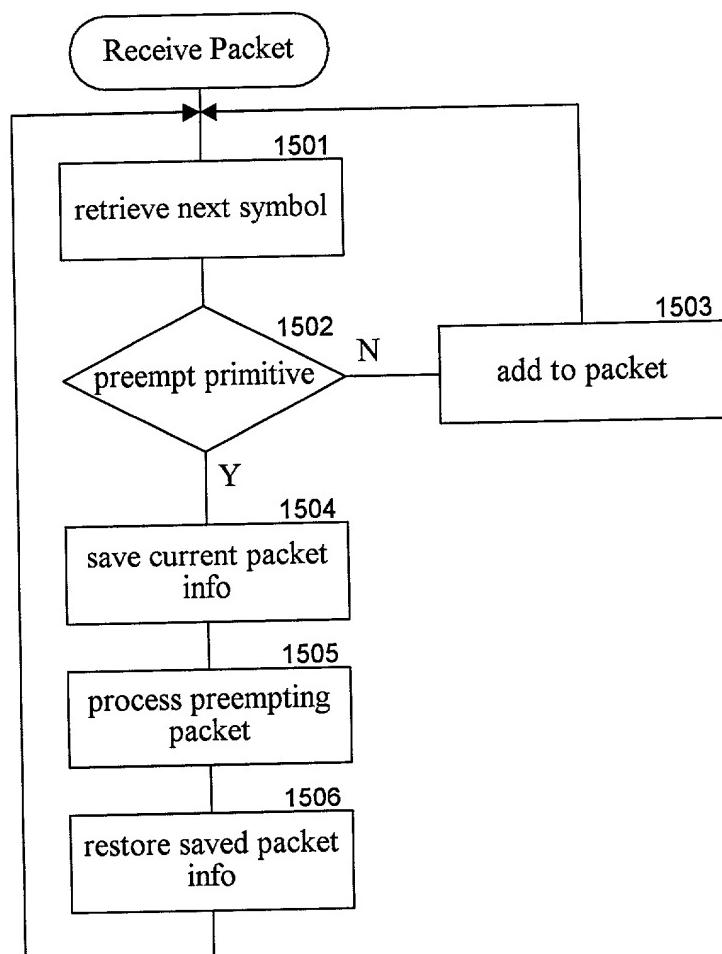


Fig. 15

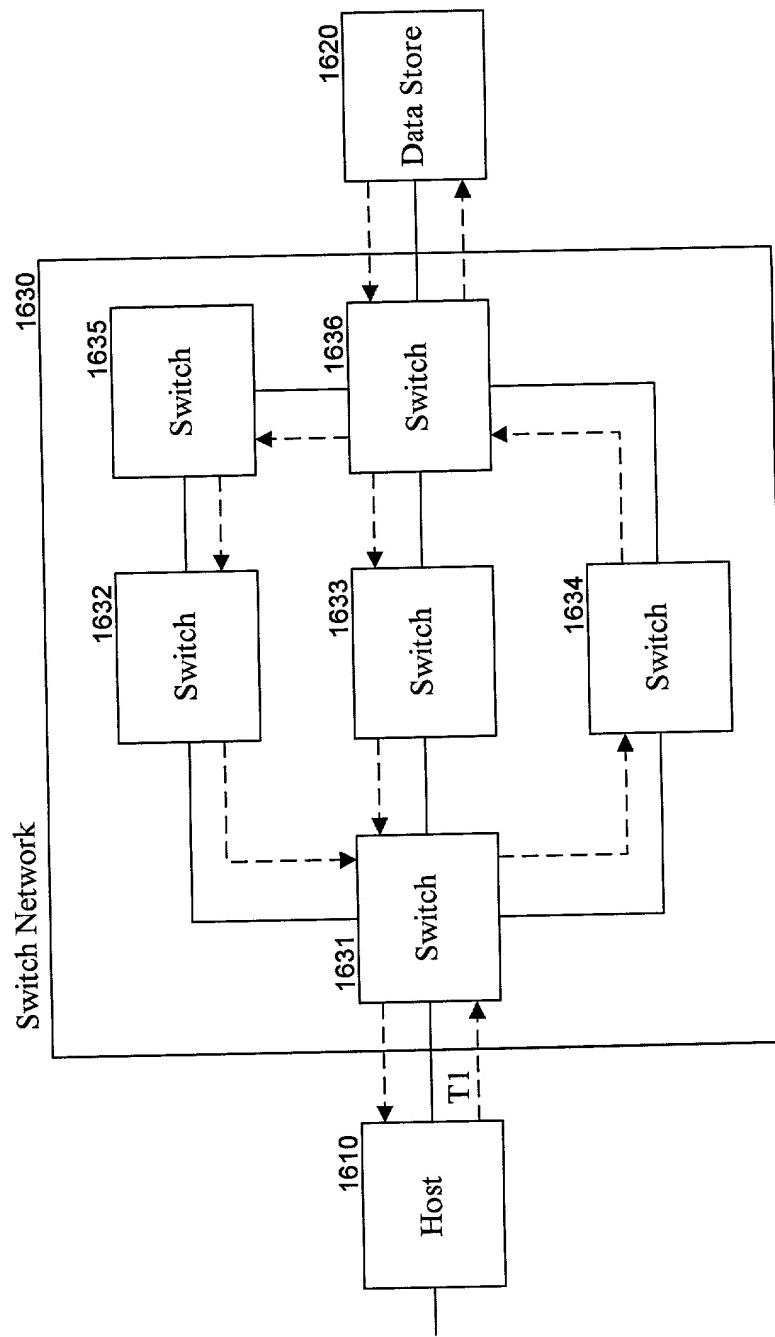
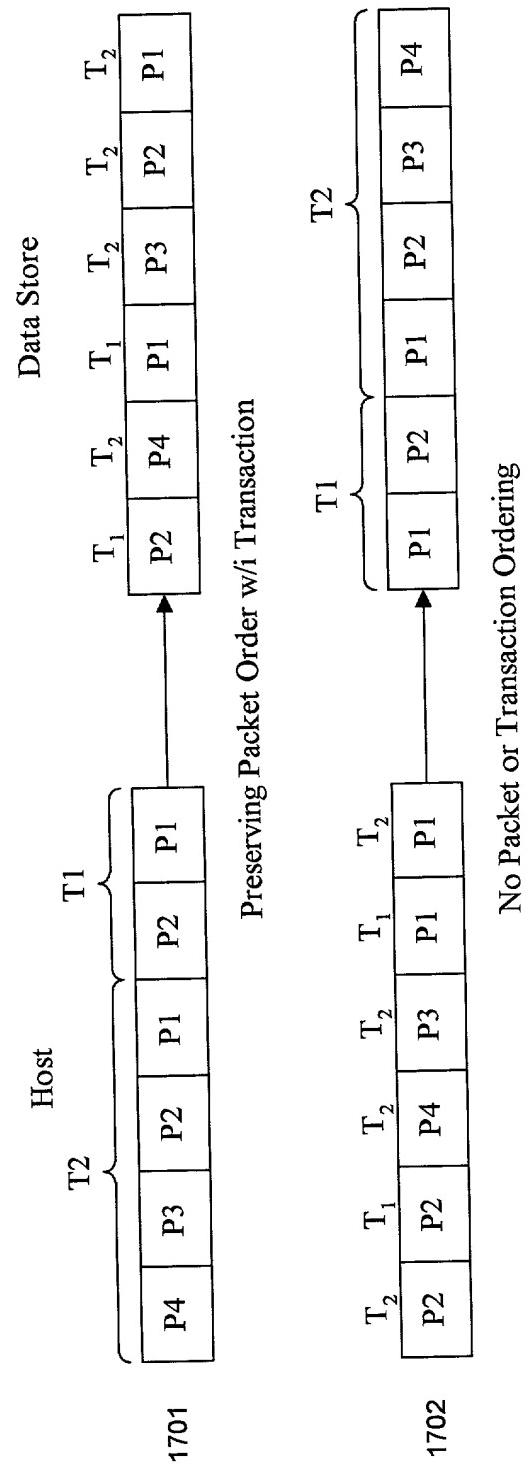


Fig. 16

**Fig. 17**

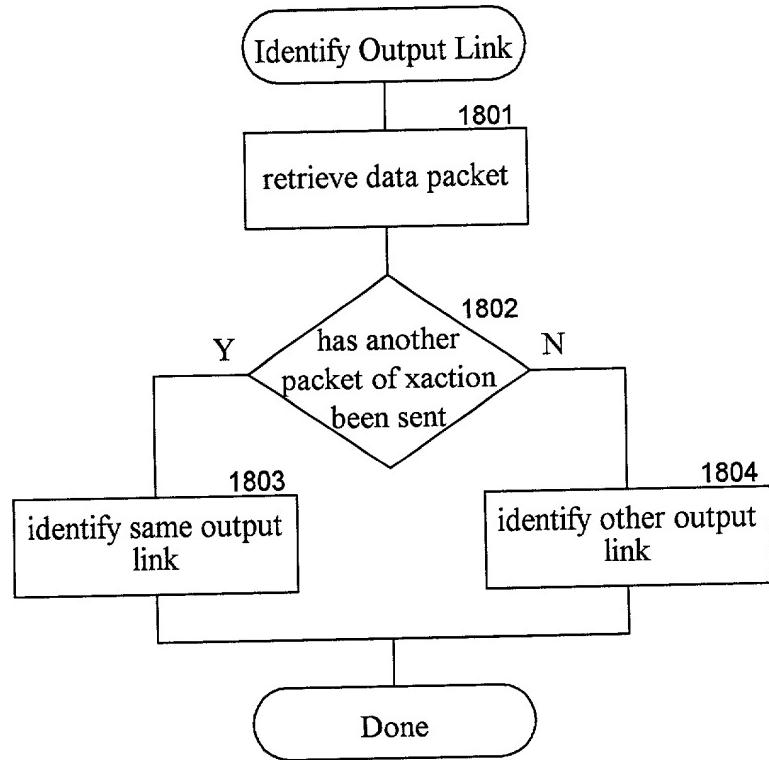


Fig. 18

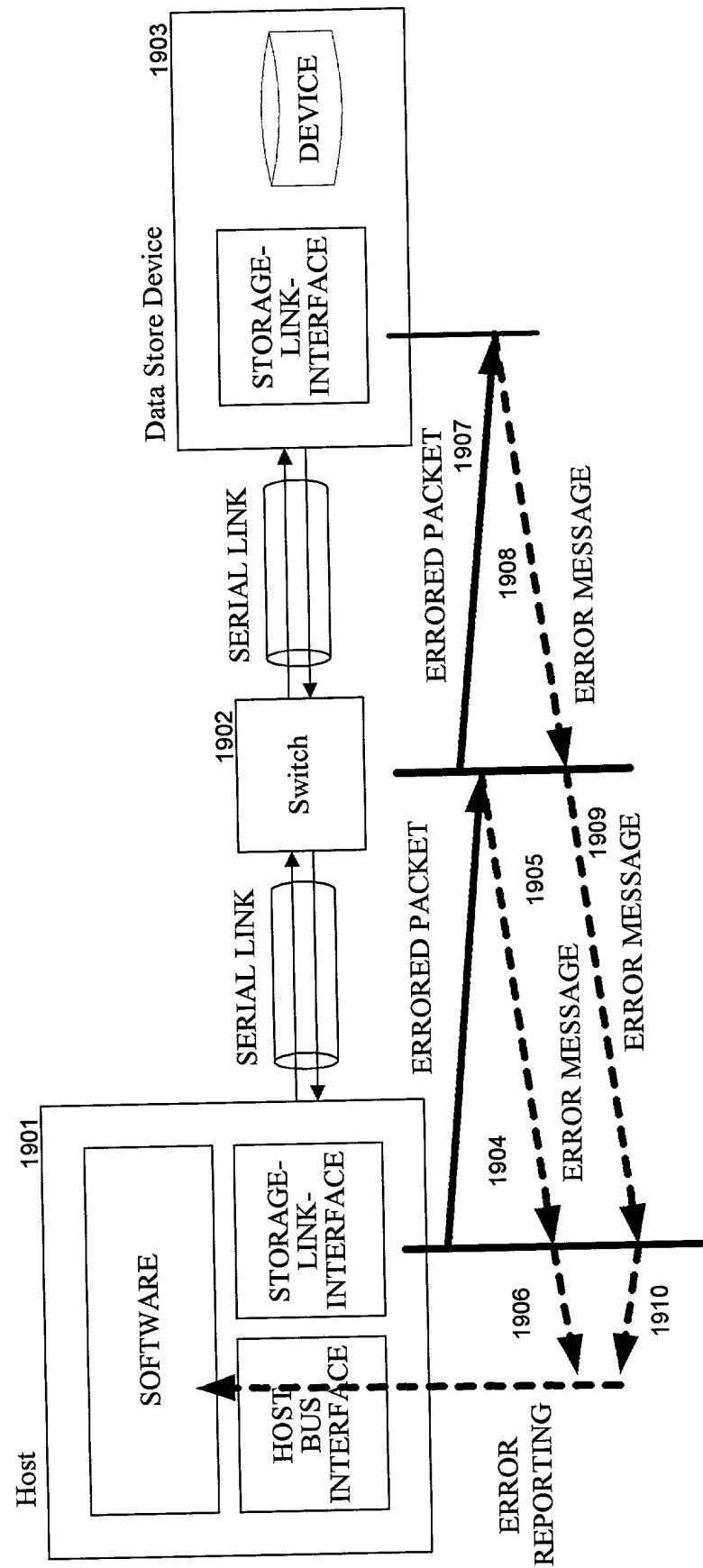


Fig. 19A

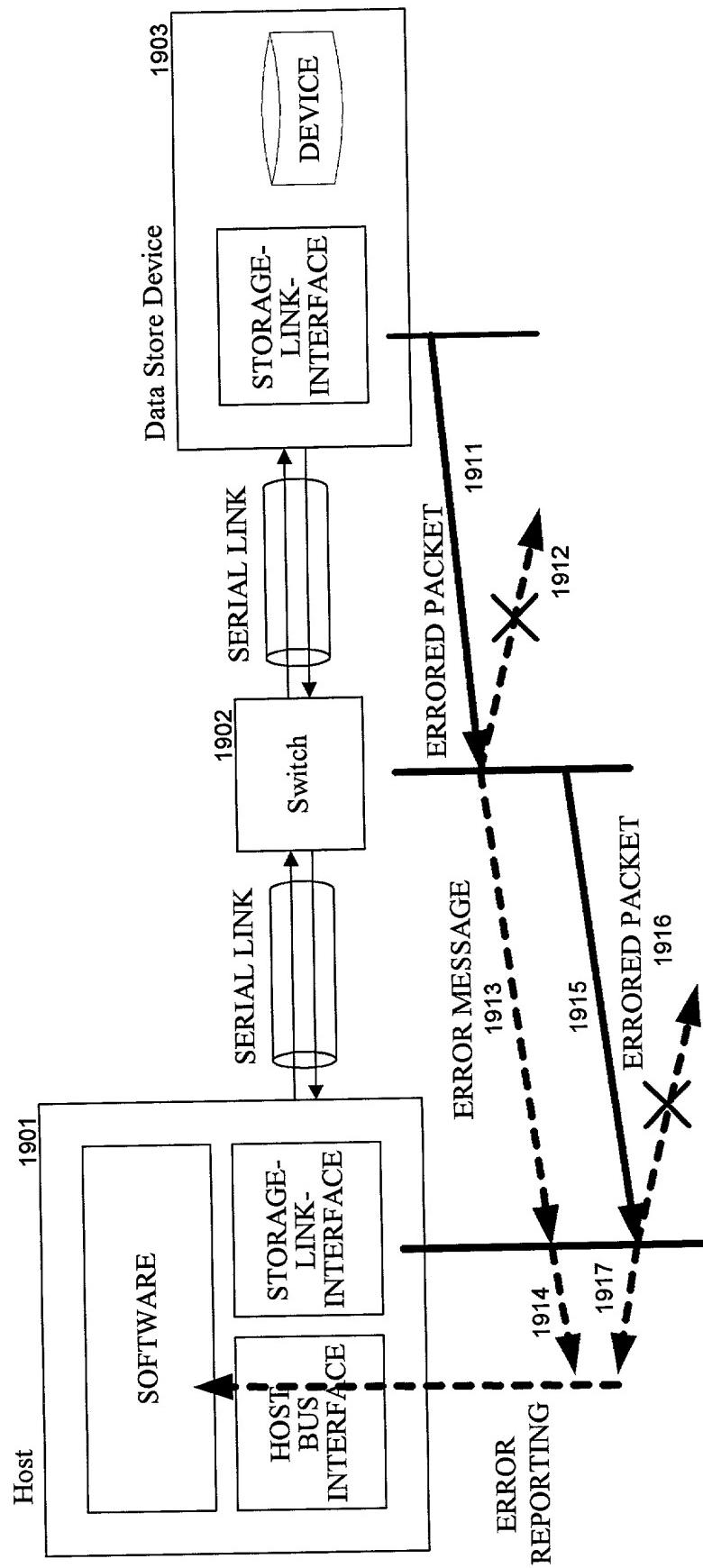


Fig. 19B

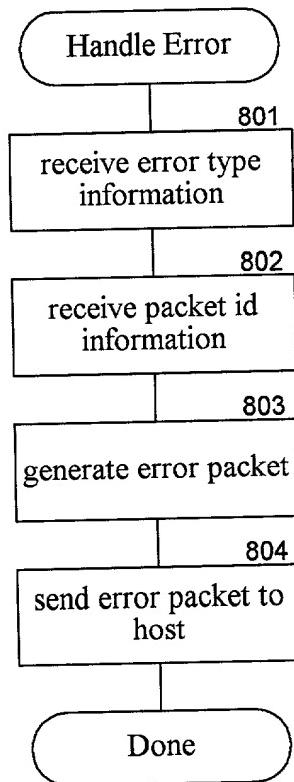


Fig. 19C

8b code	9 bit symbol
0 0 0 0 0 0 0 0	1 0 1 0 1 0 1 0 1
0 0 0 0 0 0 0 1	1 0 1 0 1 0 1 0 0
0 0 0 0 0 0 1 0	1 0 1 0 1 0 1 1 1
⋮	
0 1 0 1 0 1 0 1	0 0 1 0 1 0 1 0 1
⋮	
0 1 1 1 0 1 1 0	0 0 1 1 1 0 1 1 0
0 1 1 1 0 1 1 1	1 0 0 1 0 0 0 1 0
⋮	
1 1 1 1 1 1 1 1	1 1 0 1 0 1 0 1 0

Fig. 20

0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1

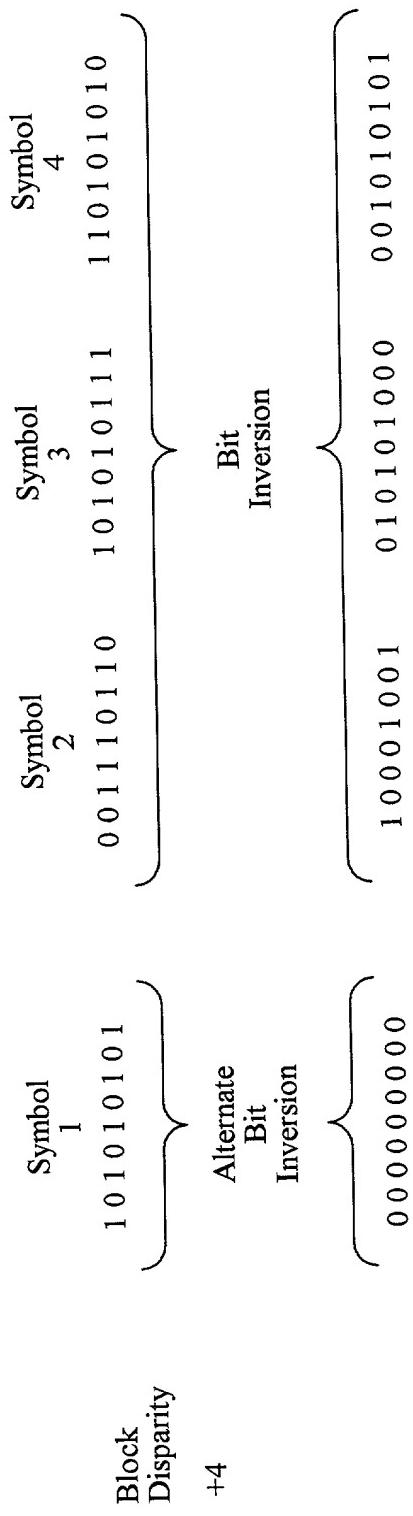


Fig. 21A

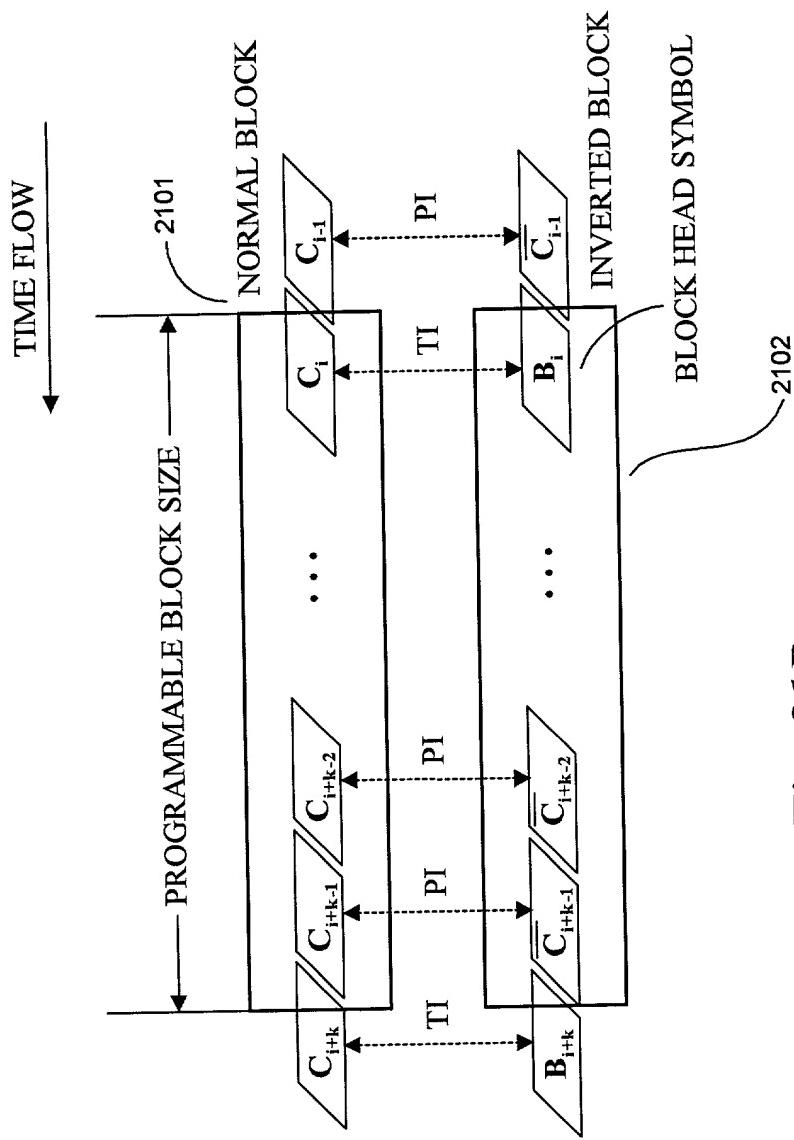


Fig. 21B

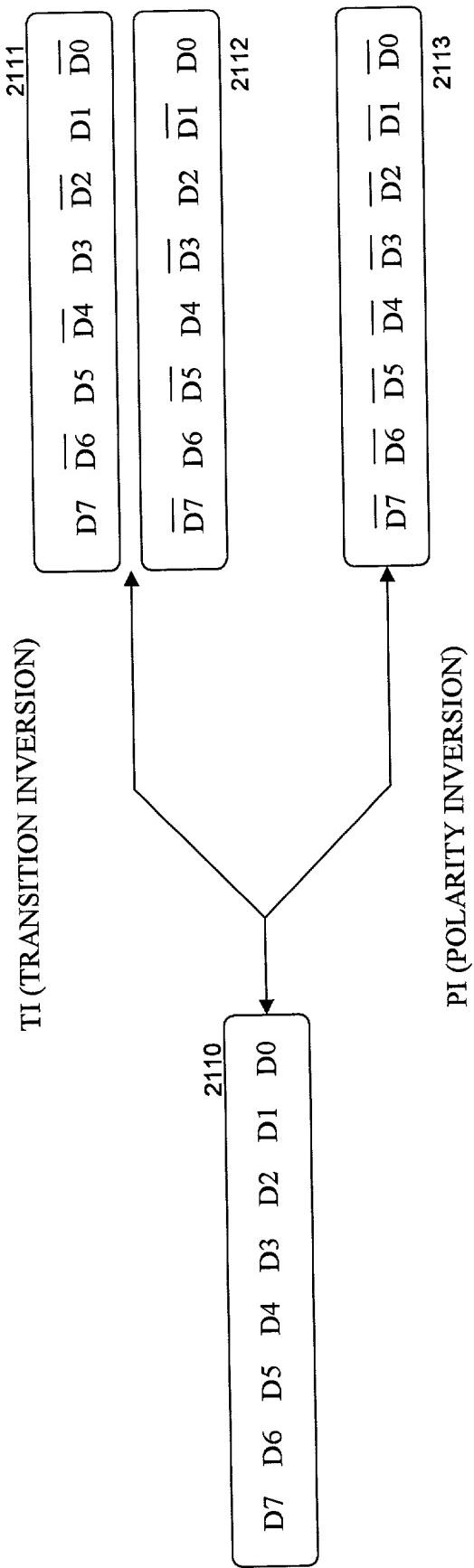


Fig. 21C

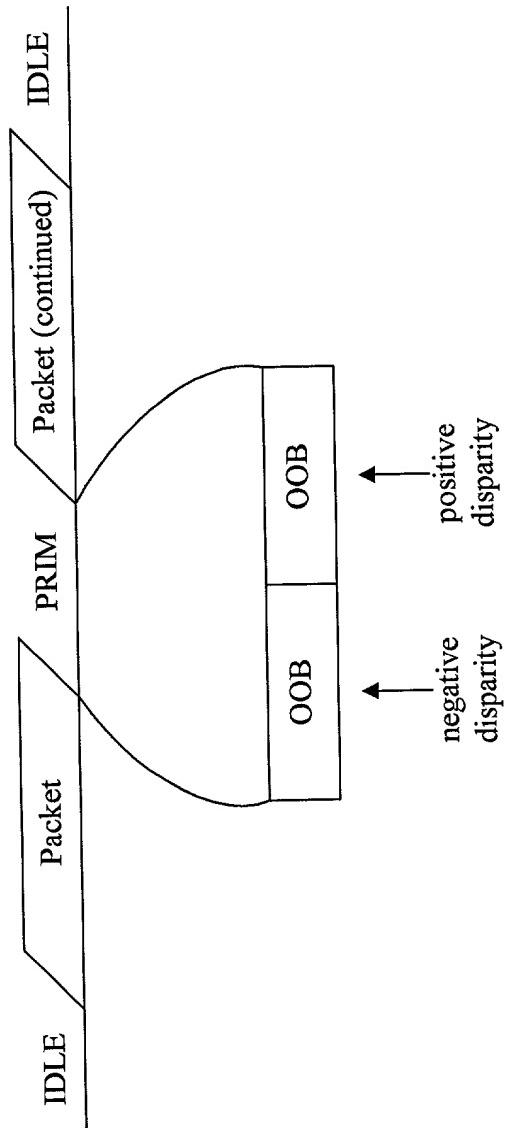


Fig. 22

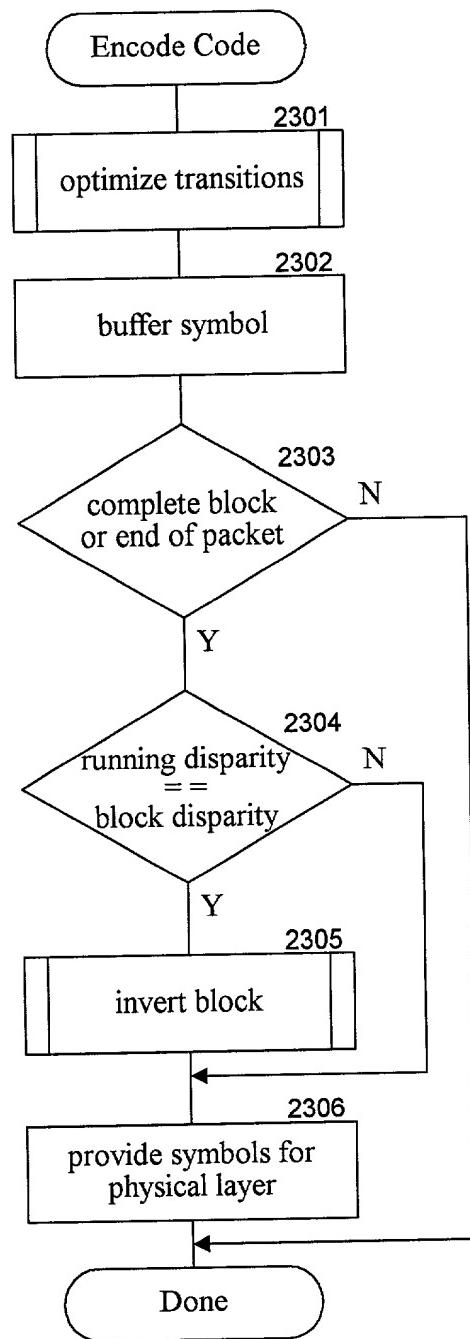


Fig. 23

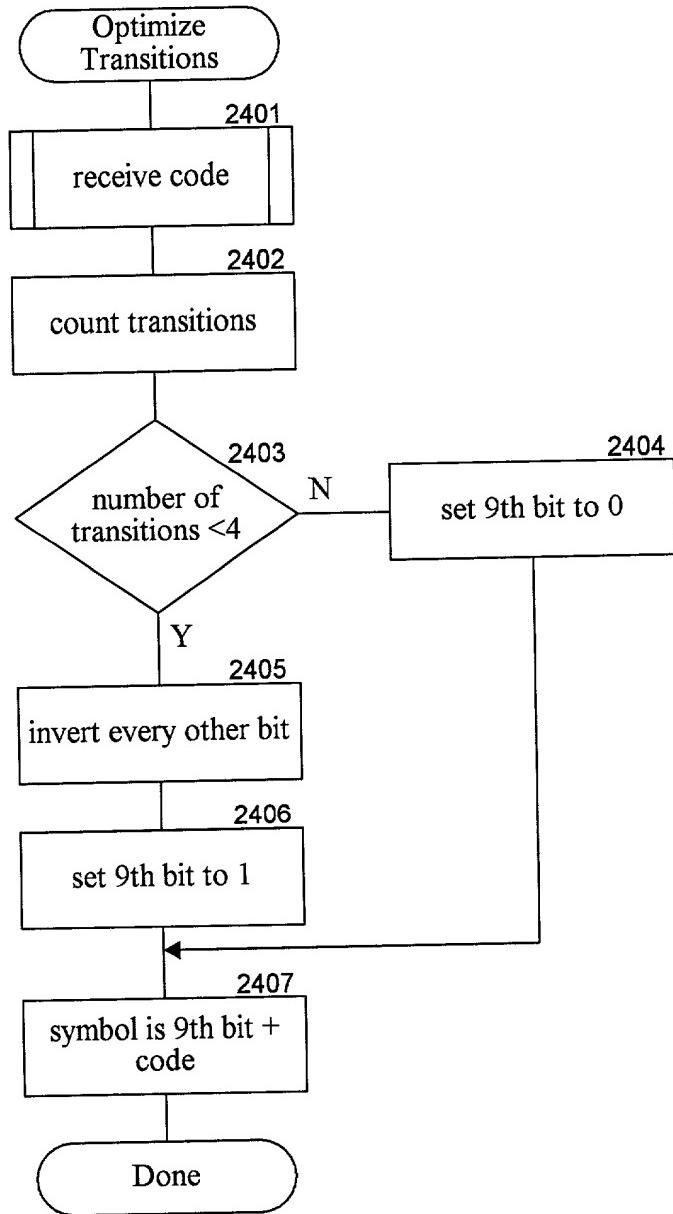


Fig. 24

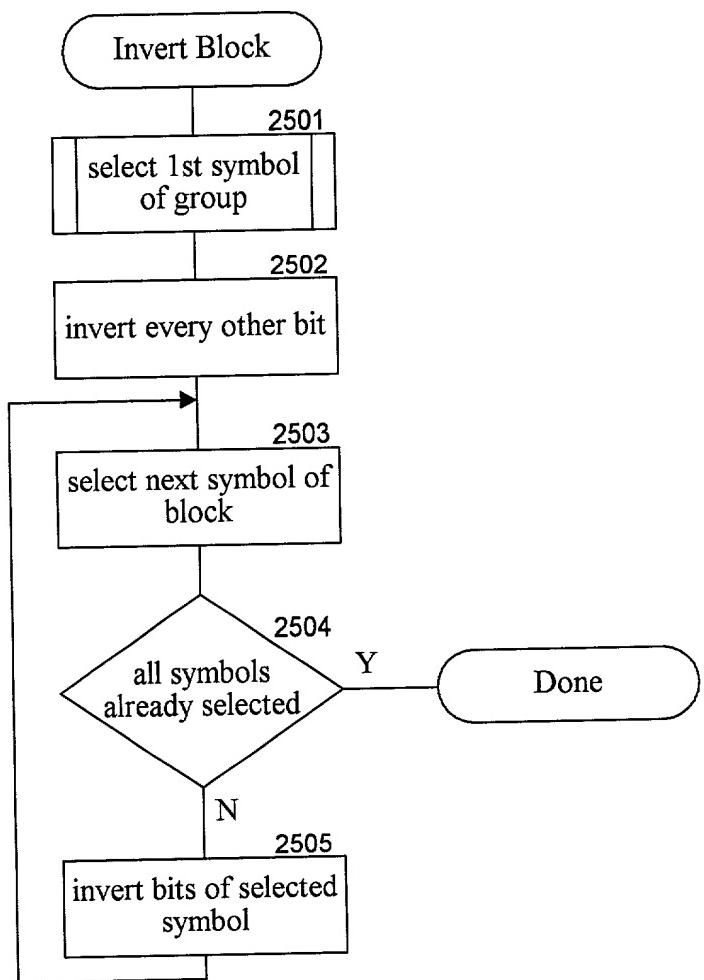


Fig. 25

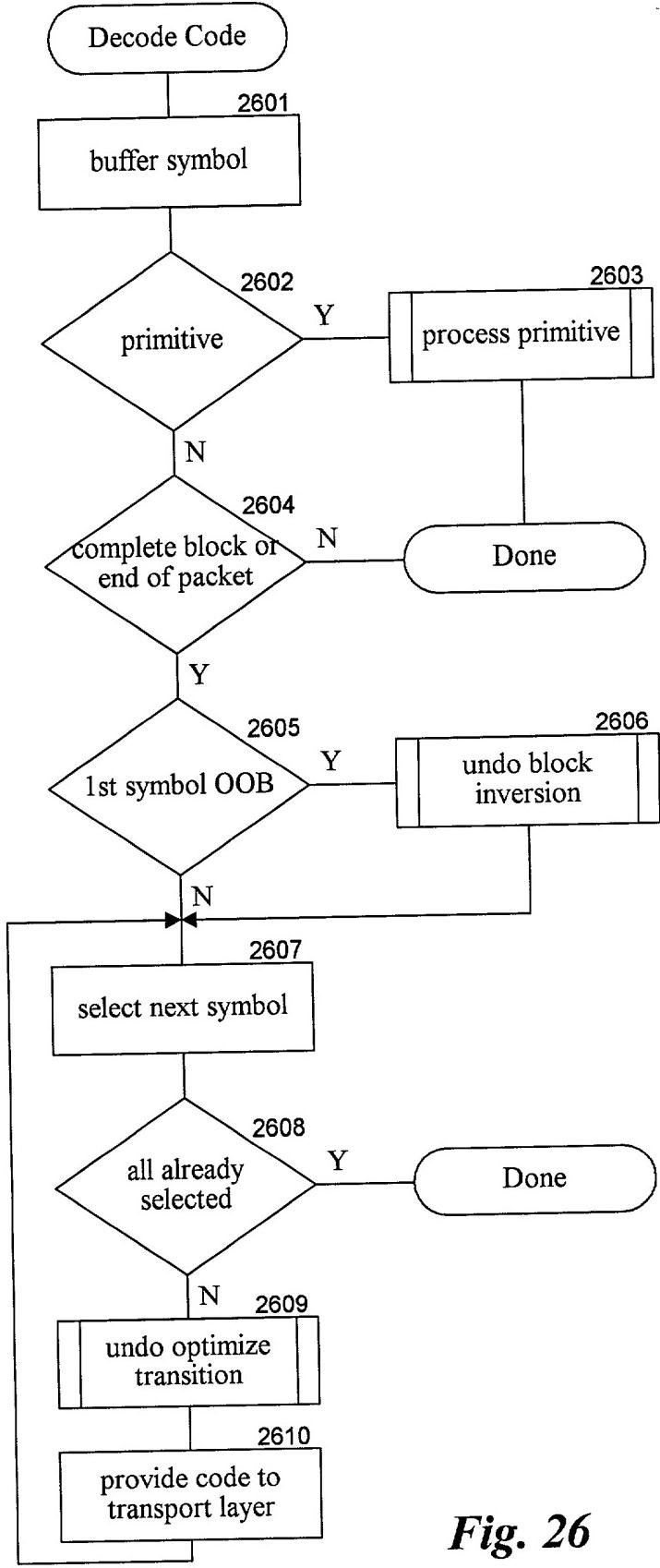


Fig. 26

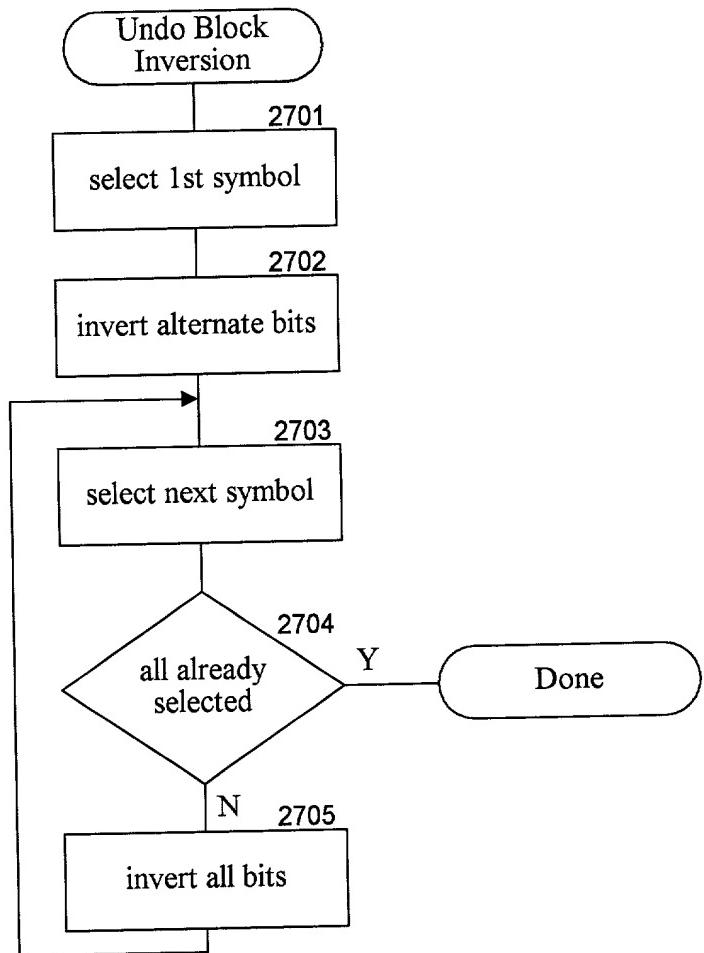


Fig. 27

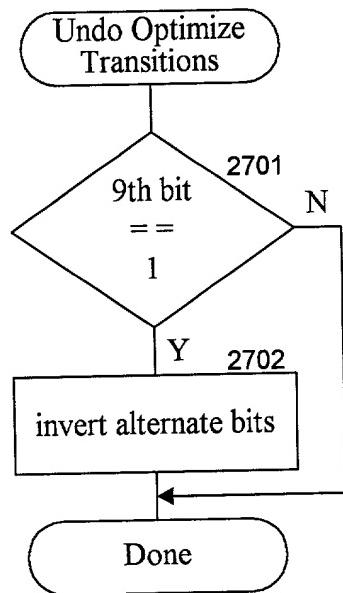


Fig. 28

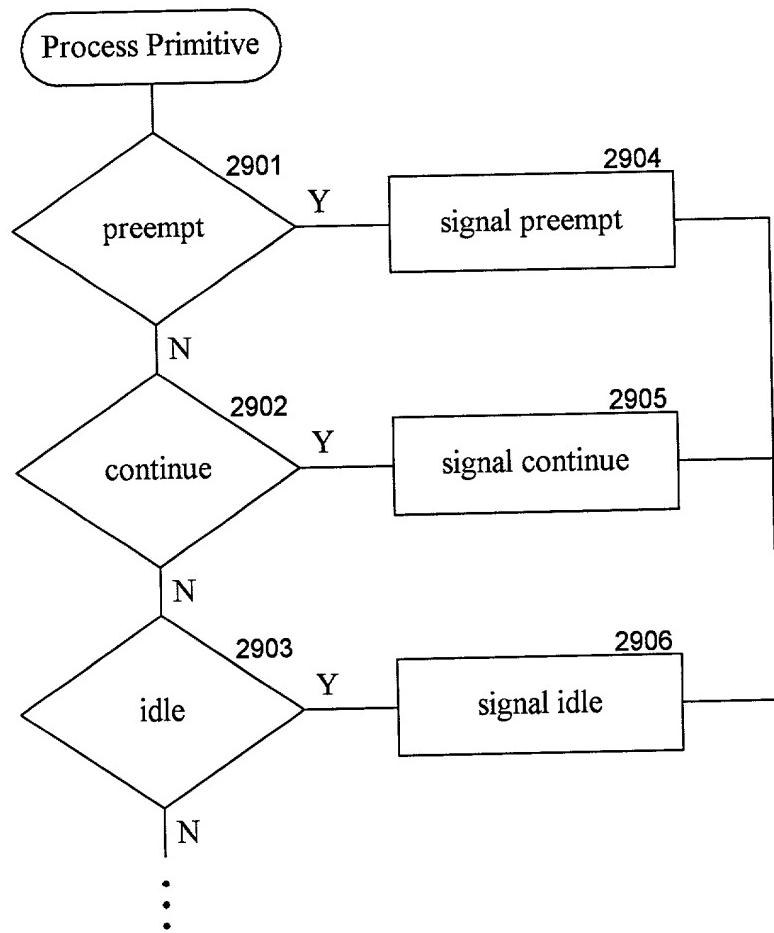


Fig. 29

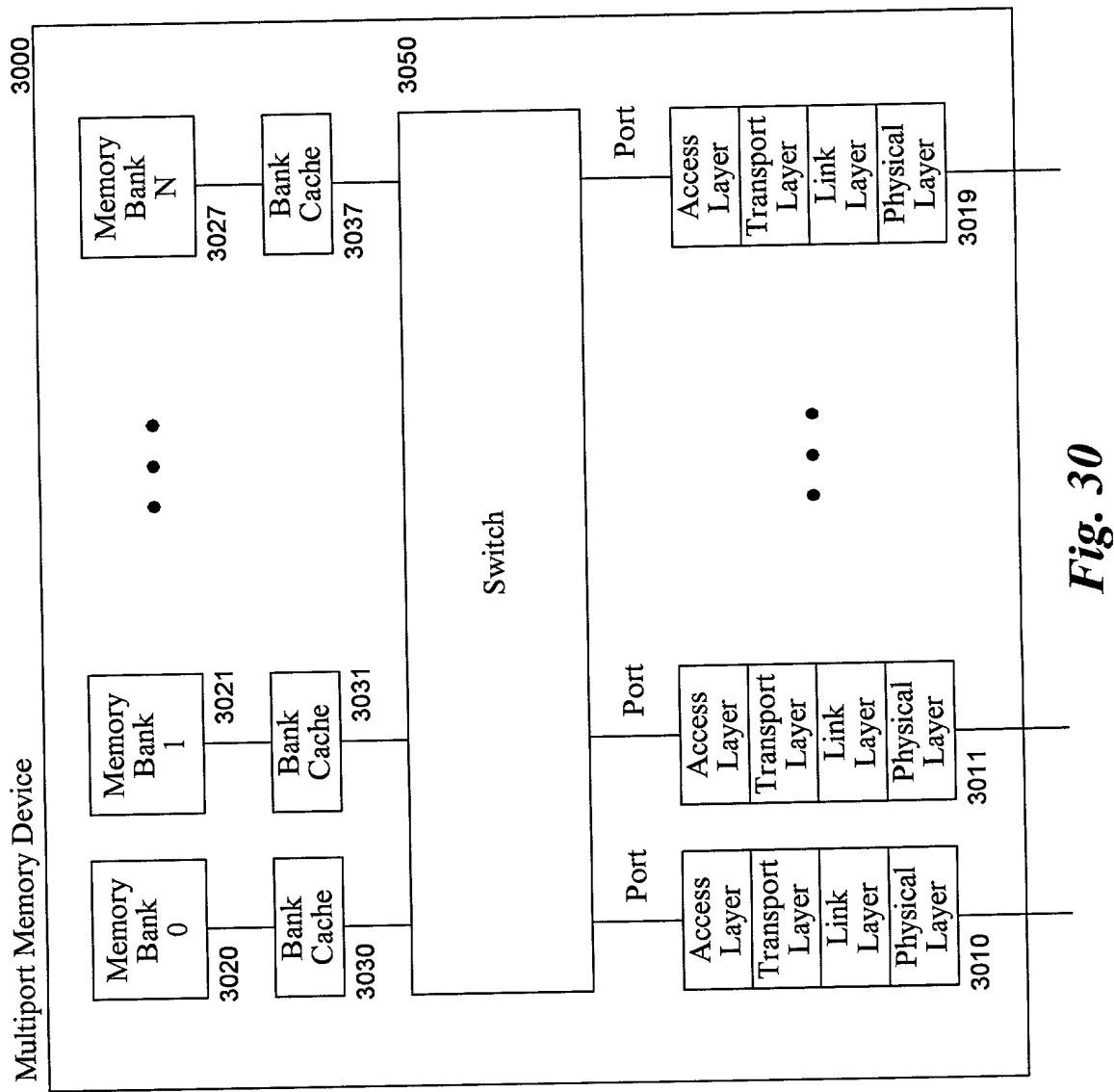


Fig. 30

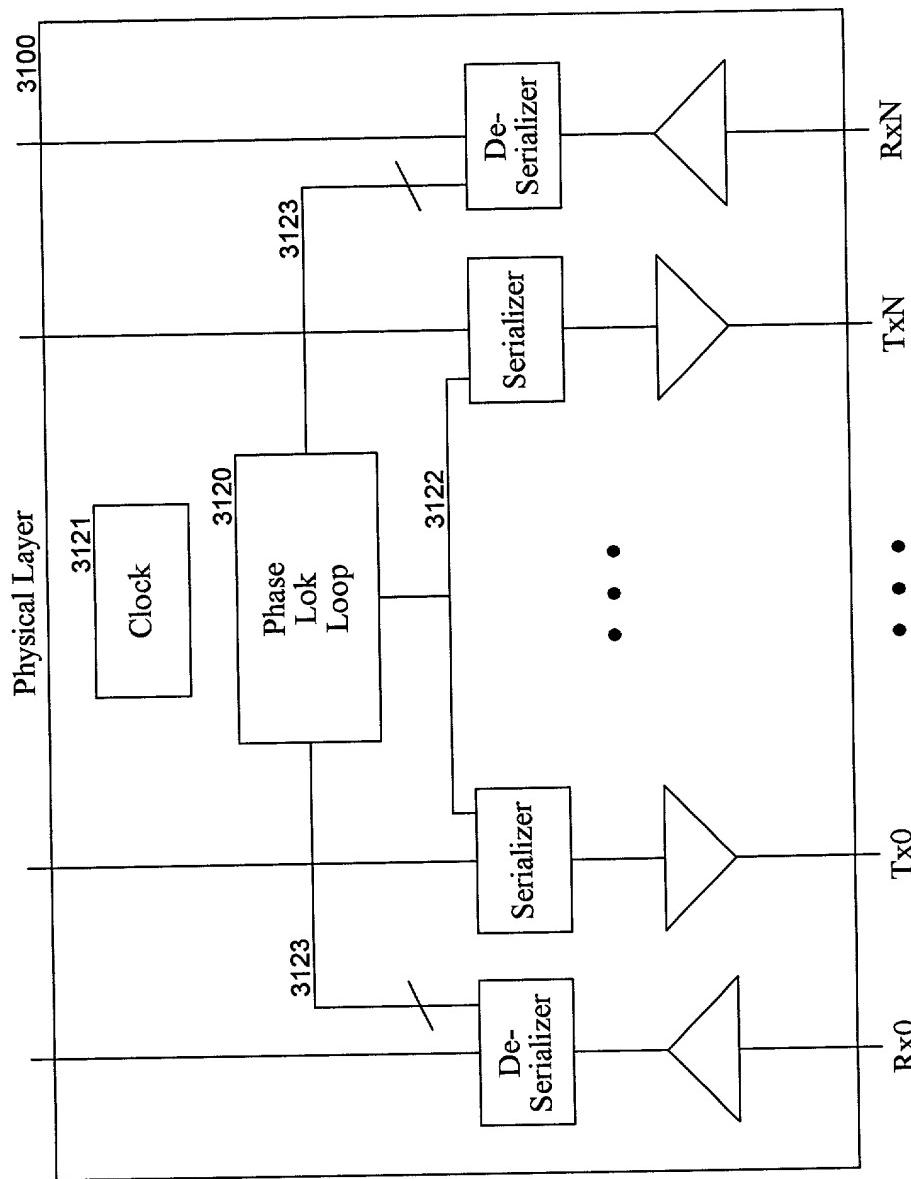


Fig. 31

Input Queue			3201			Output Queue			3202
Port	R/W	Address	Data		Valid	Port	Data		
3	R	1000			1	3	11...0		
4	W	4000	10...1		0				
3	W	1000	111...0		0				
3	R	2000			1	3	101...1		
	:				:		:		

Fig. 32

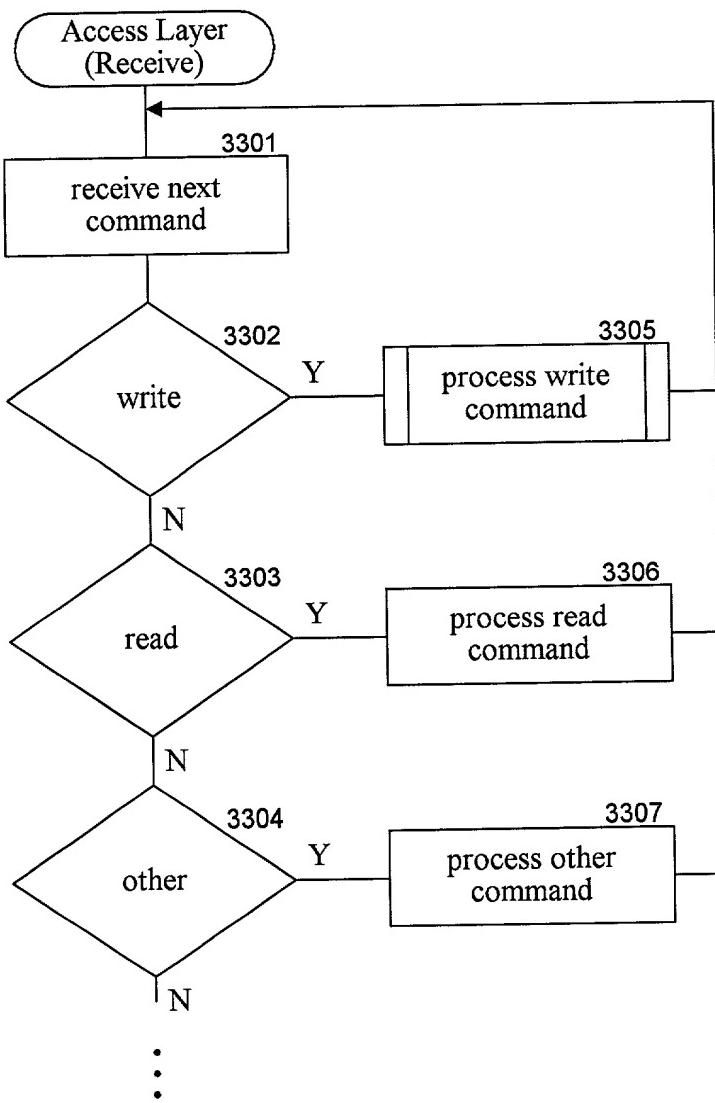


Fig. 33

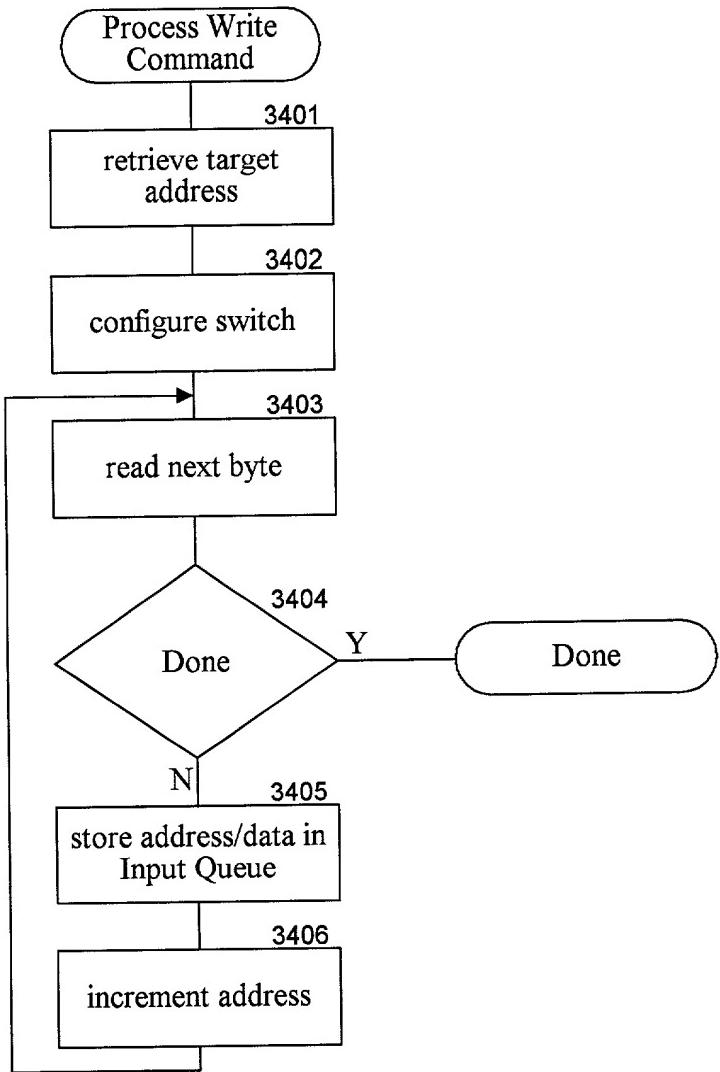


Fig. 34

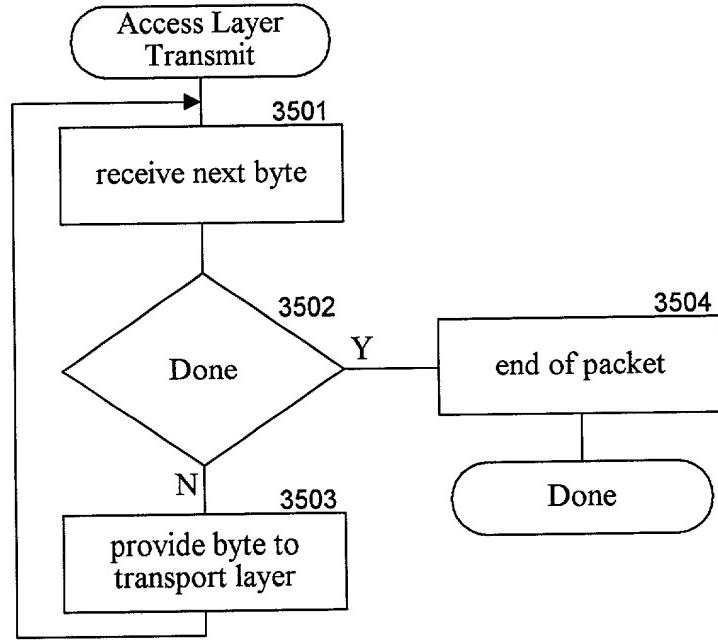


Fig. 35

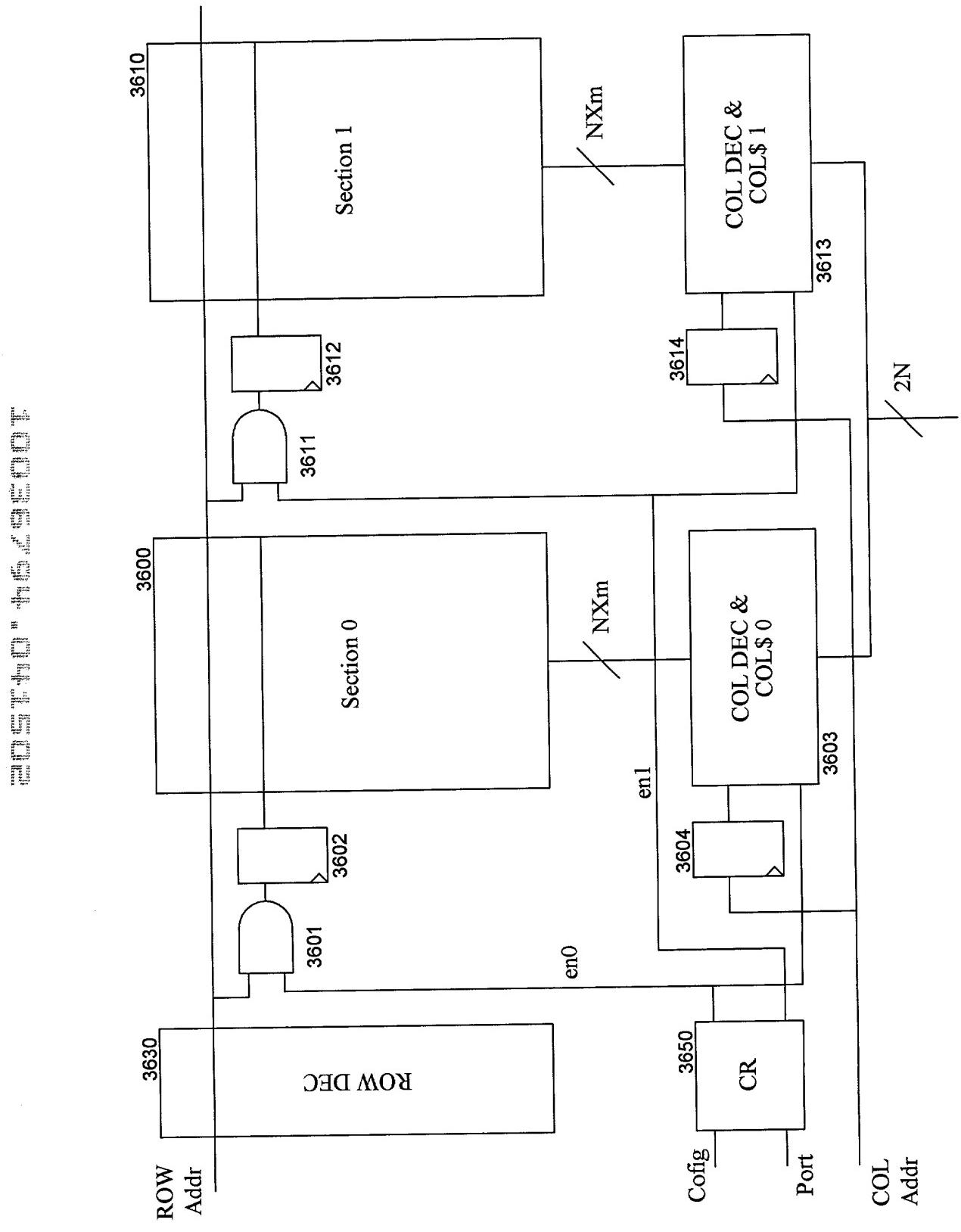


Fig. 36

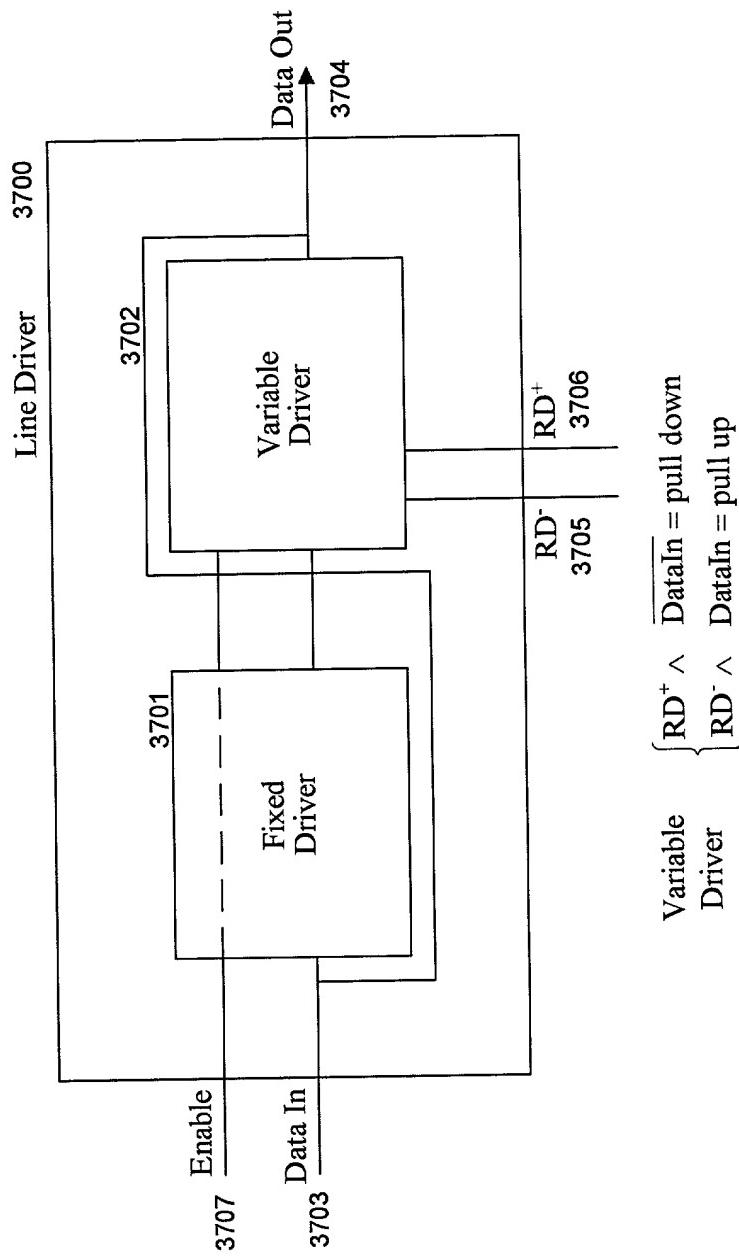


Fig. 37A

3700 (Pull Up)
RD-

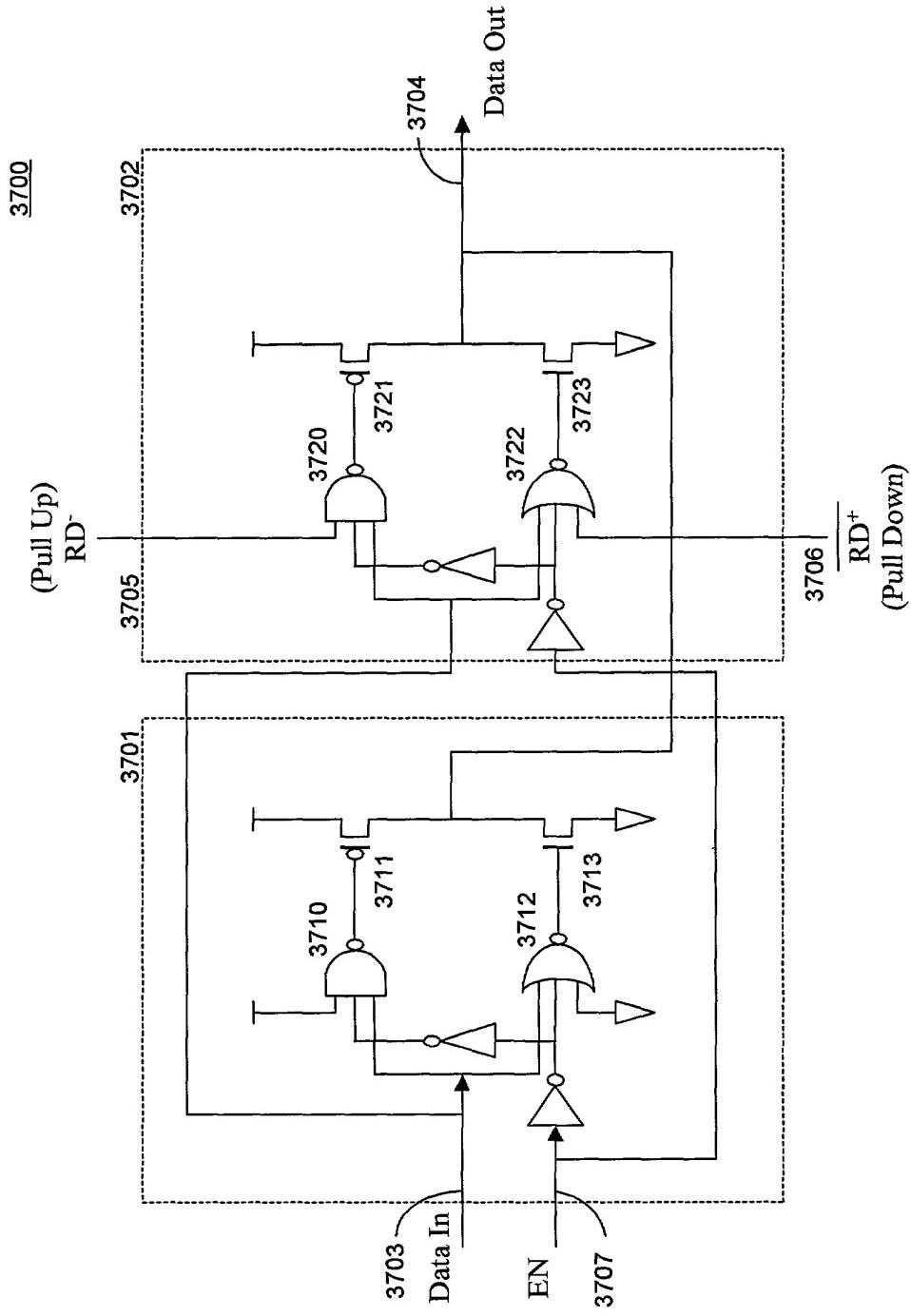


Fig. 37B

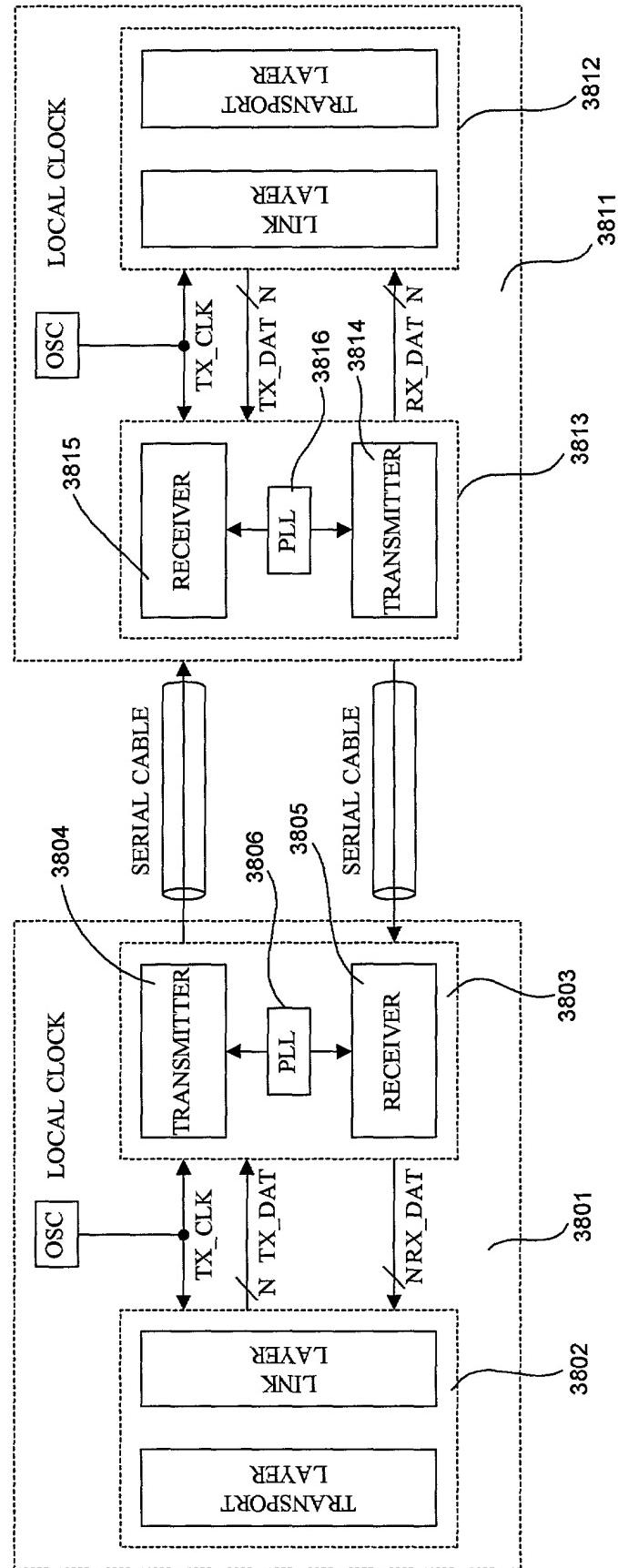


Fig. 38A

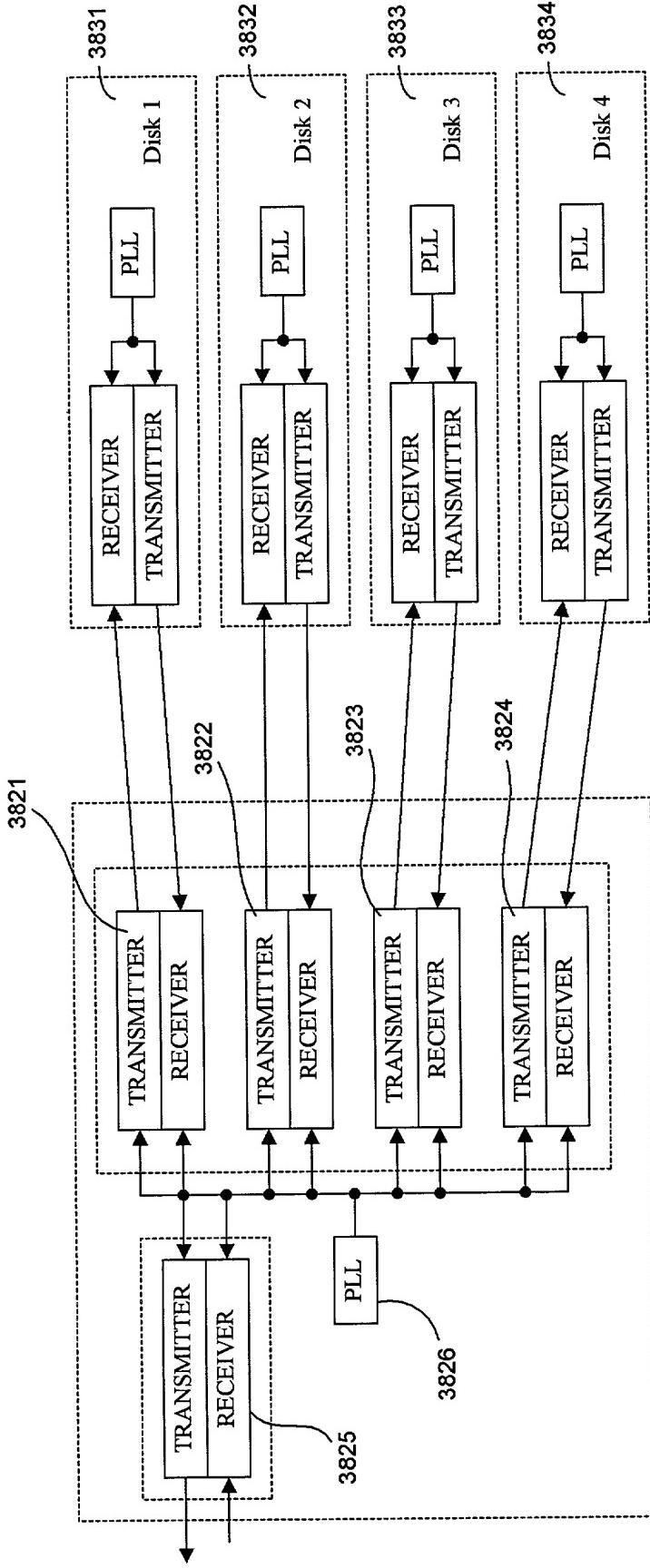


Fig. 38B

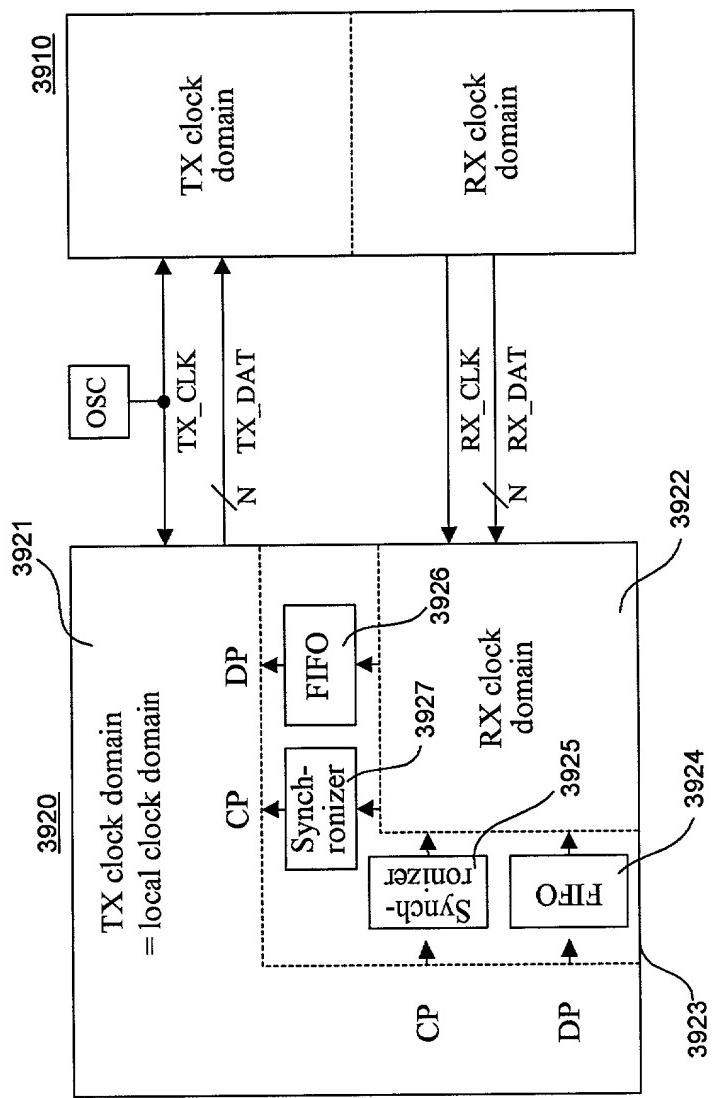
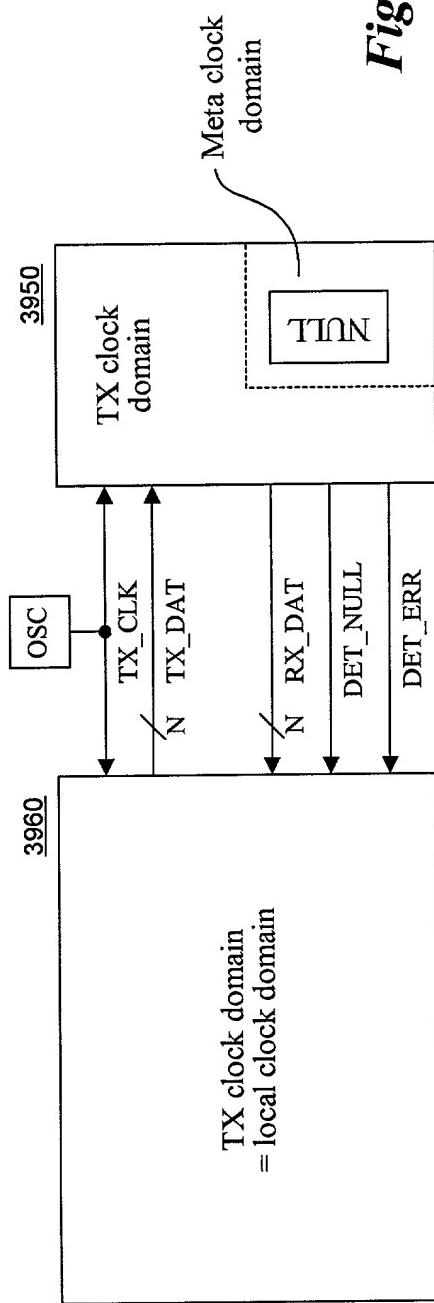


Fig. 39A



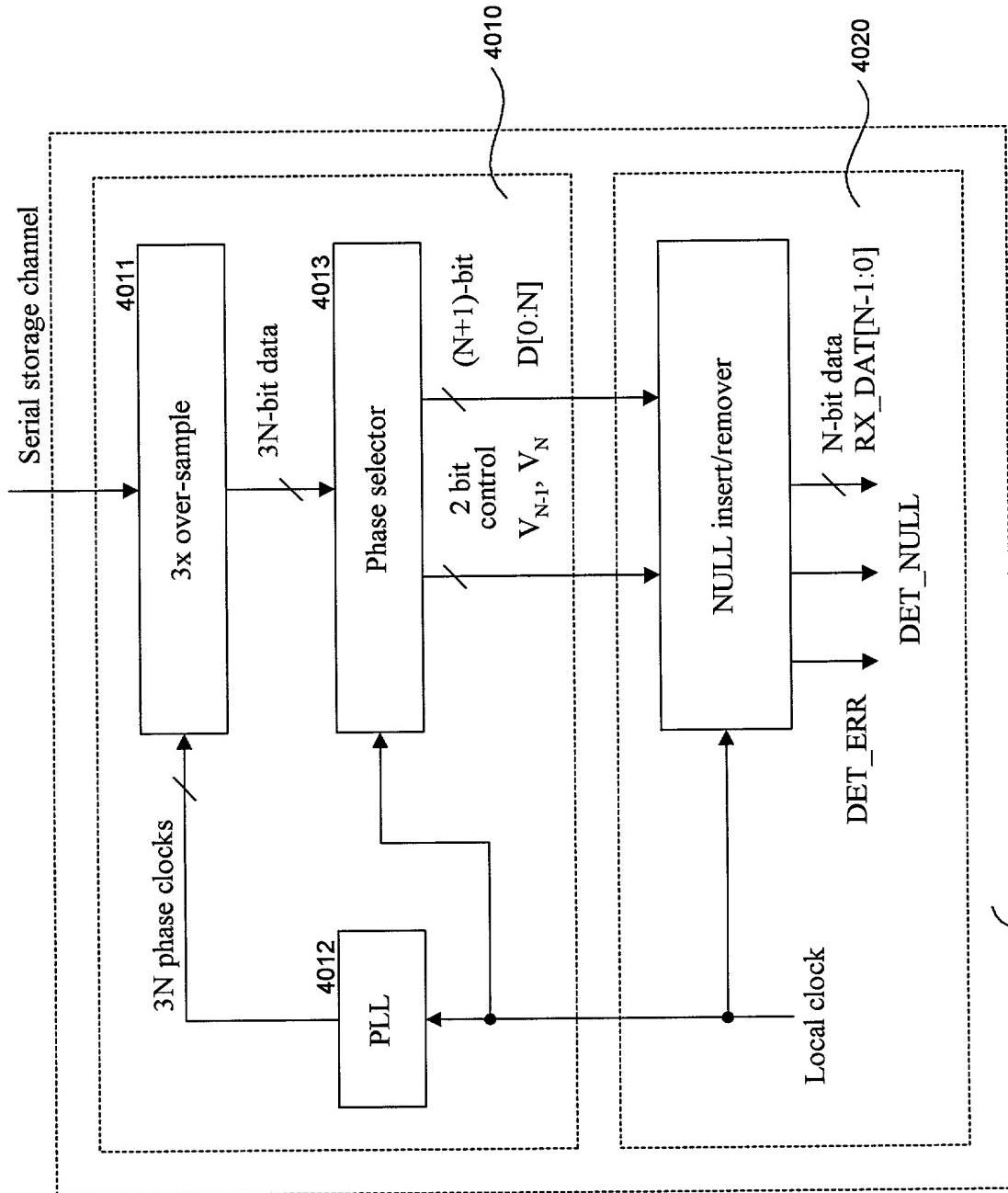


Fig. 40

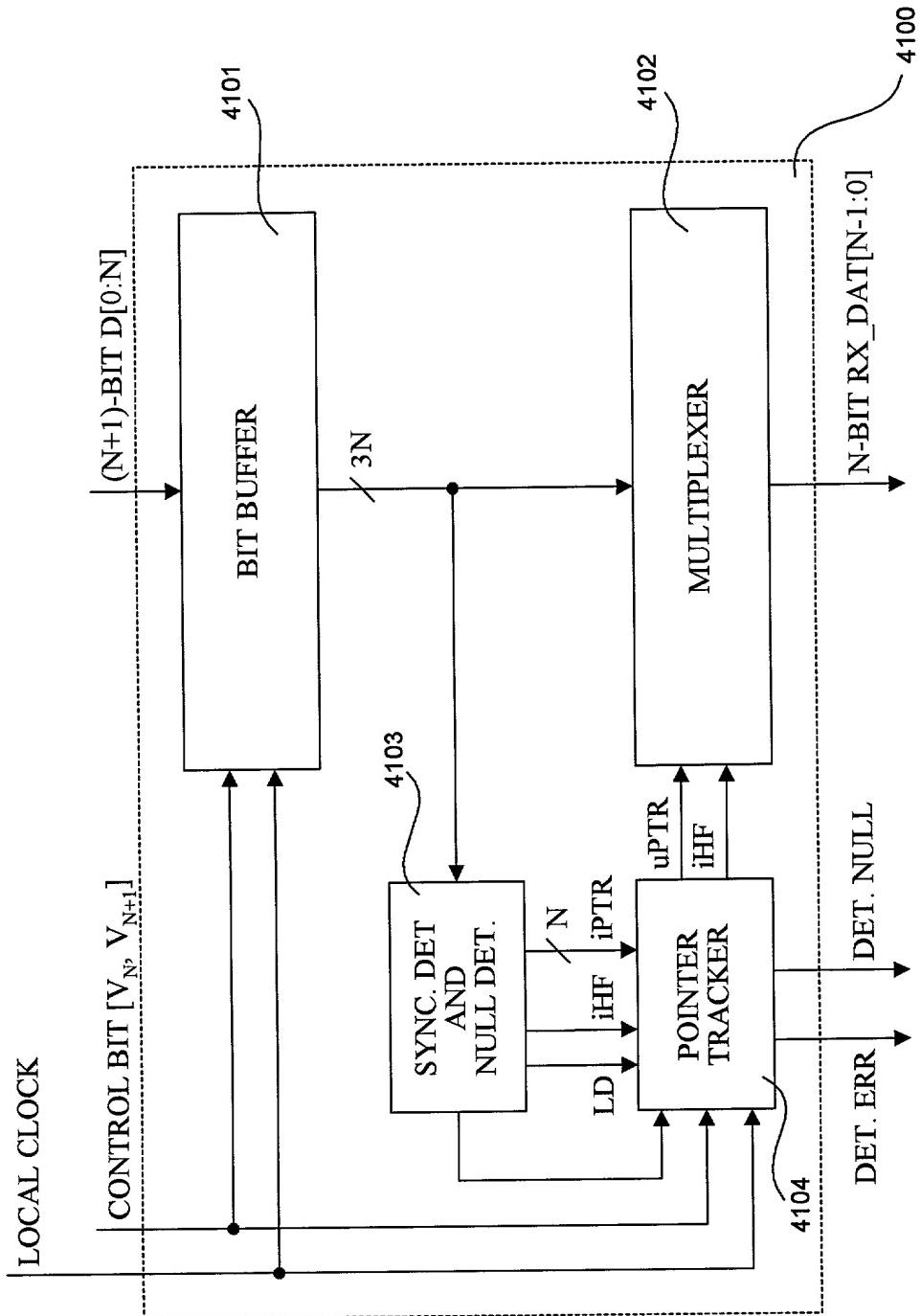


Fig. 41

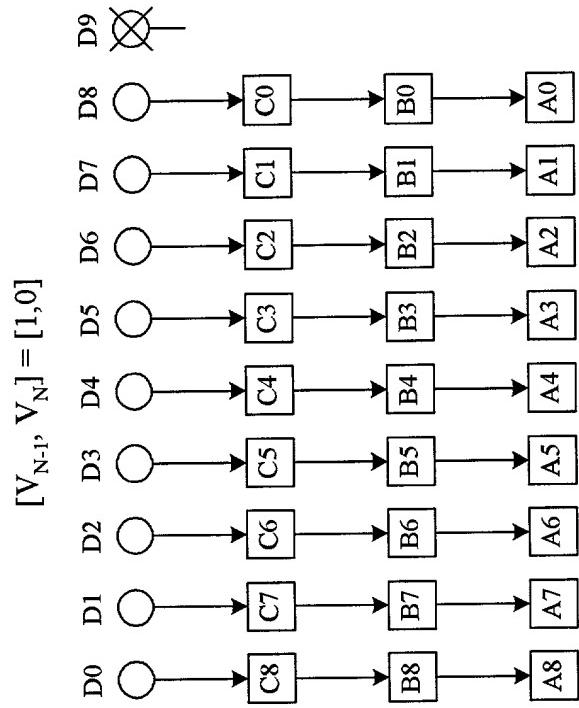


Fig. 42A

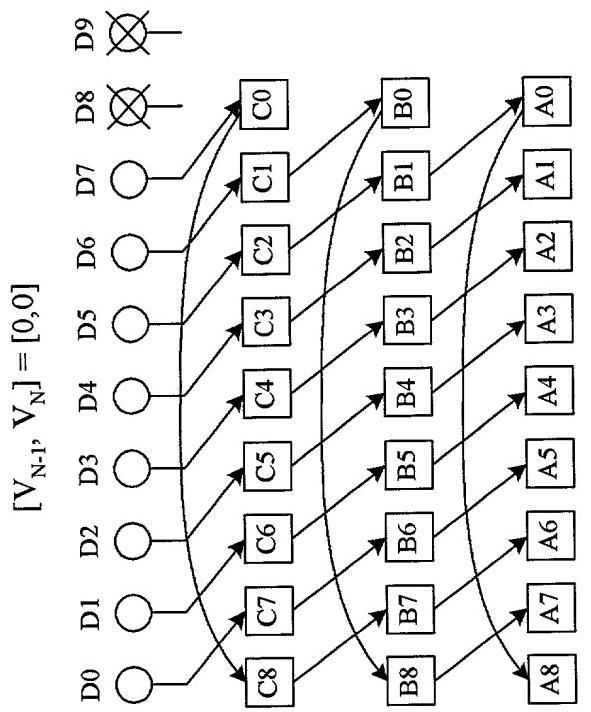


Fig. 42B

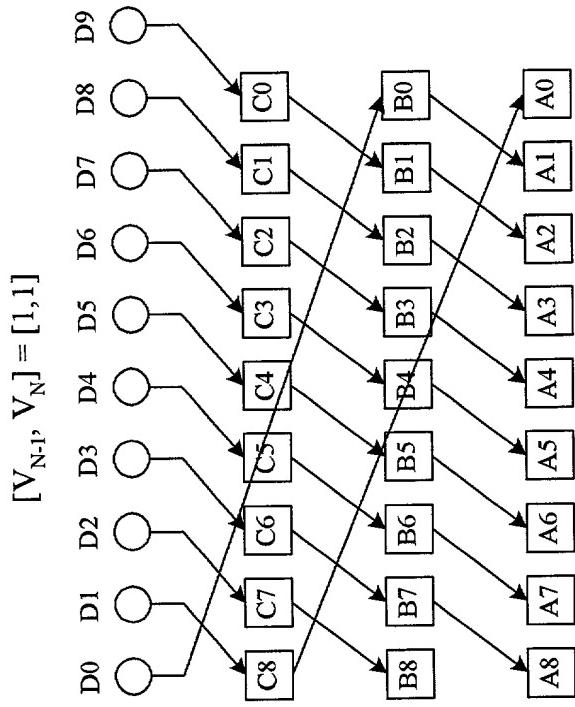


Fig. 42C

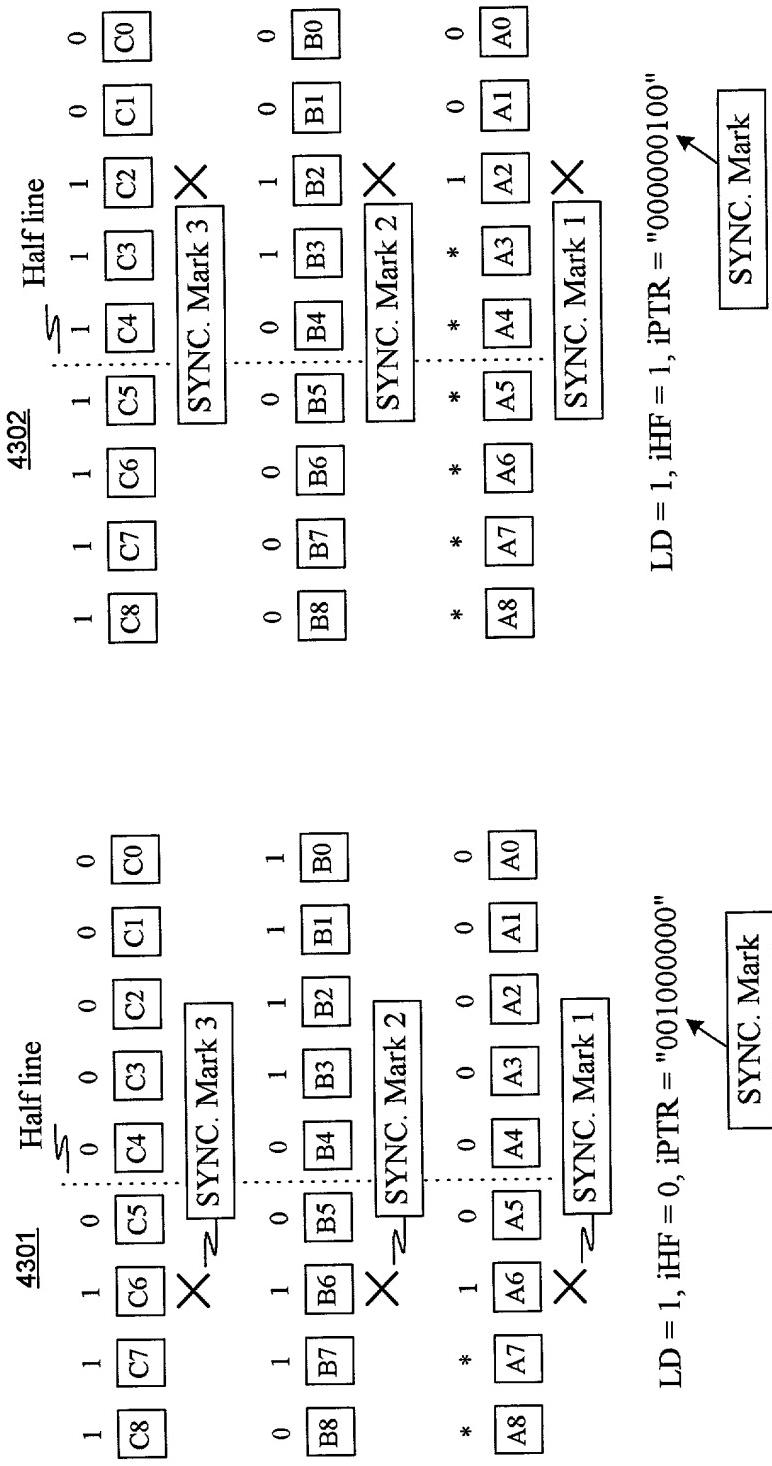
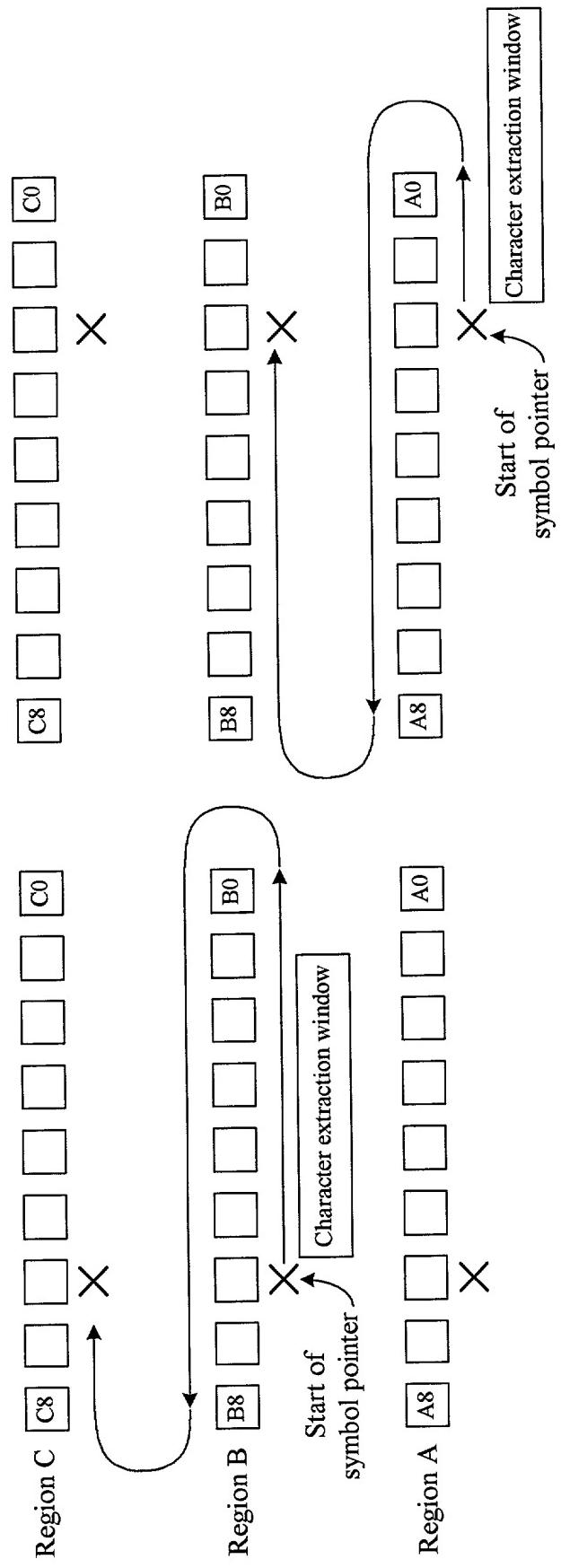


Fig. 43

LD = 1, iHF = 1, iPTR = "000000100"



LD = 1, iHF = 0, iPTR = "001000000"

LD = 1, iHF = 1, iPTR = "000000100"

Fig. 44

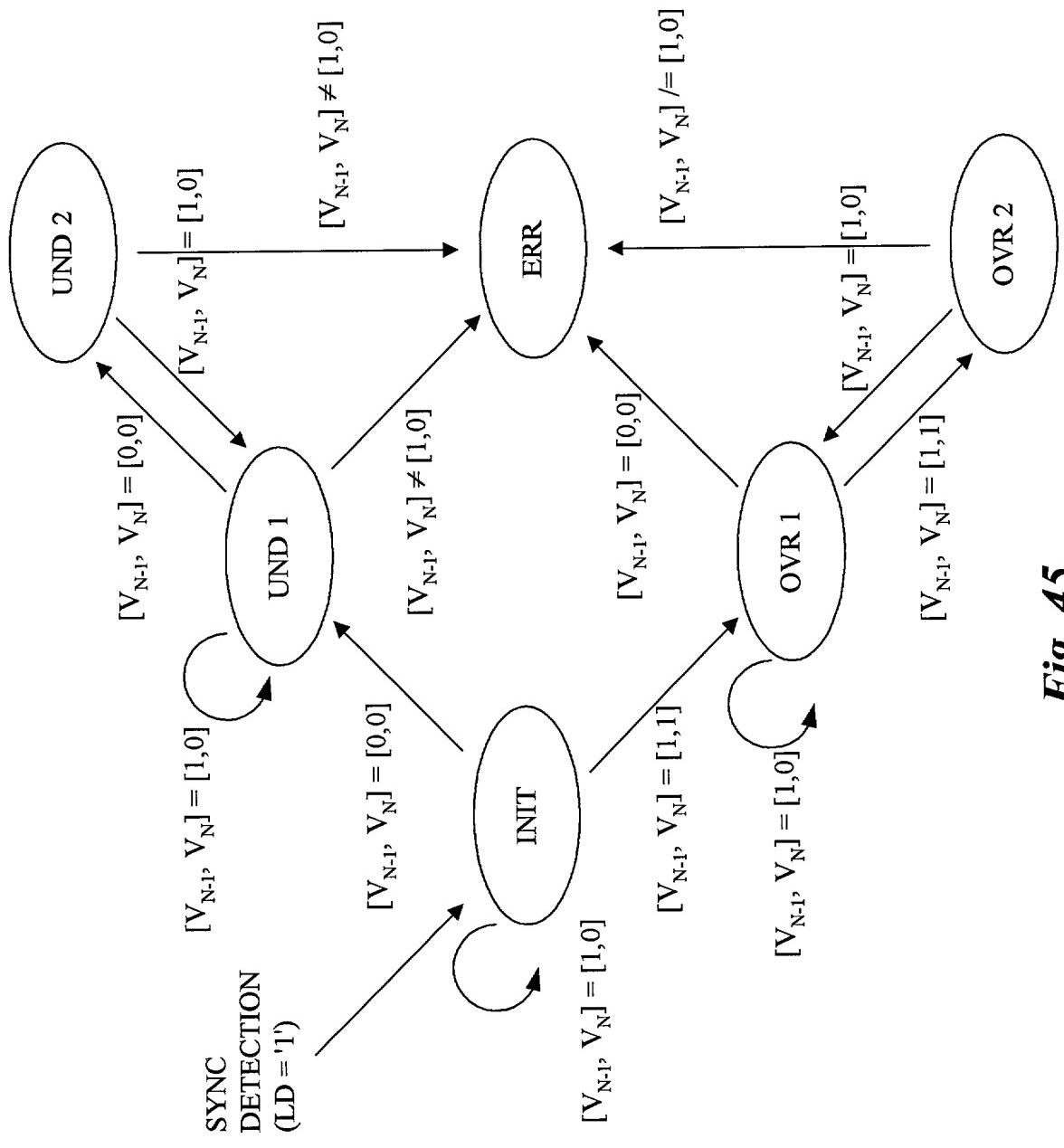


Fig. 45

DATA A8 A7 A6 A5 A4 | A3 A2 A1 A0 B8 B7 B6 B5 B4 | B3 B2 B1 C0 C8 C7 C6 C5 C4 C3 C2 C1 C0

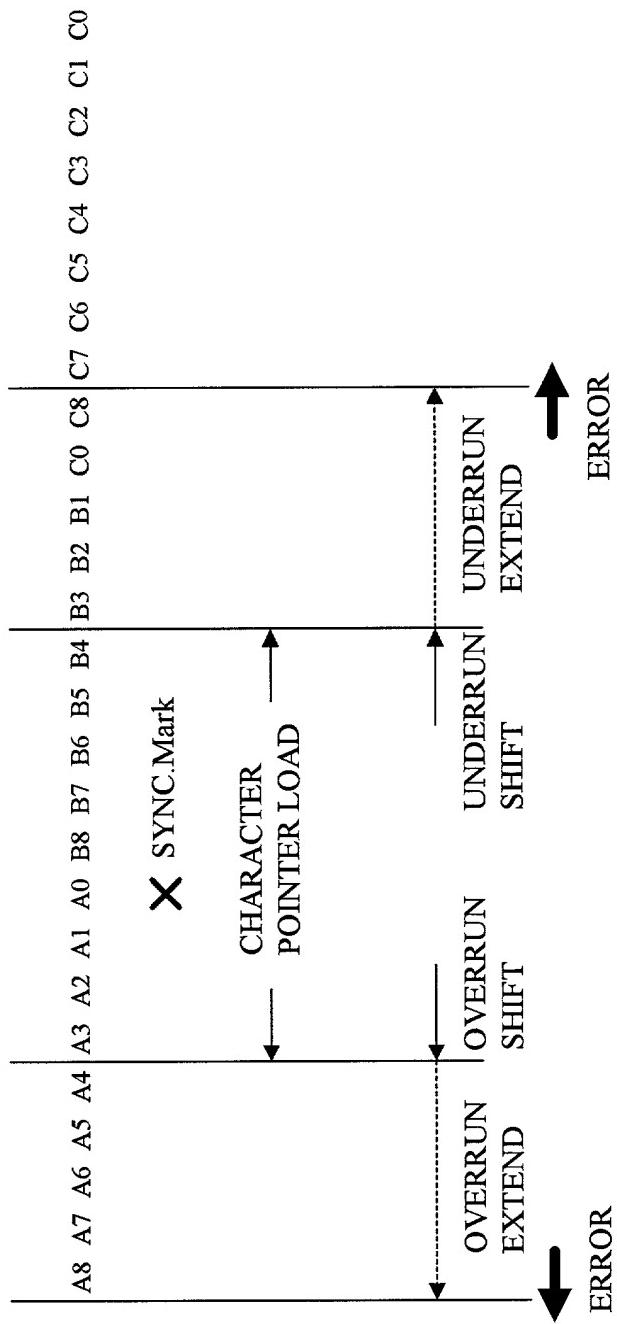


Fig. 46

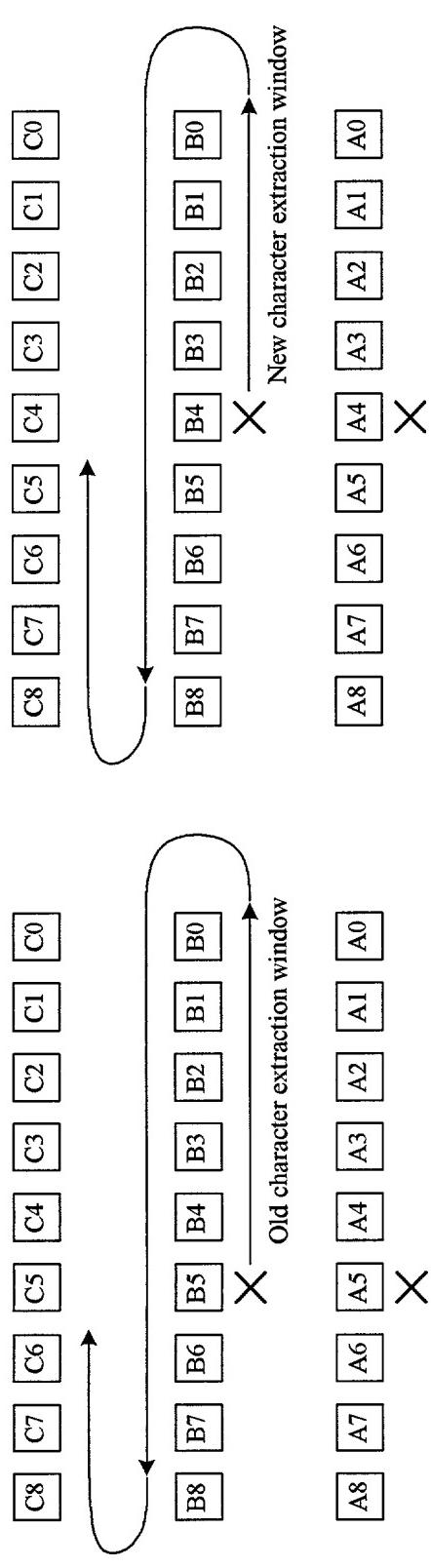


Fig. 47A

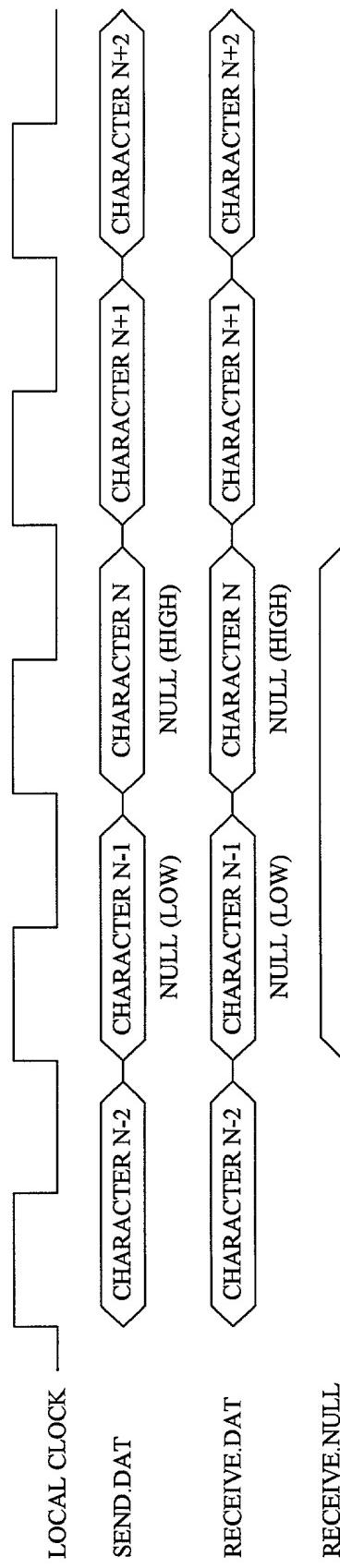


Fig. 47B

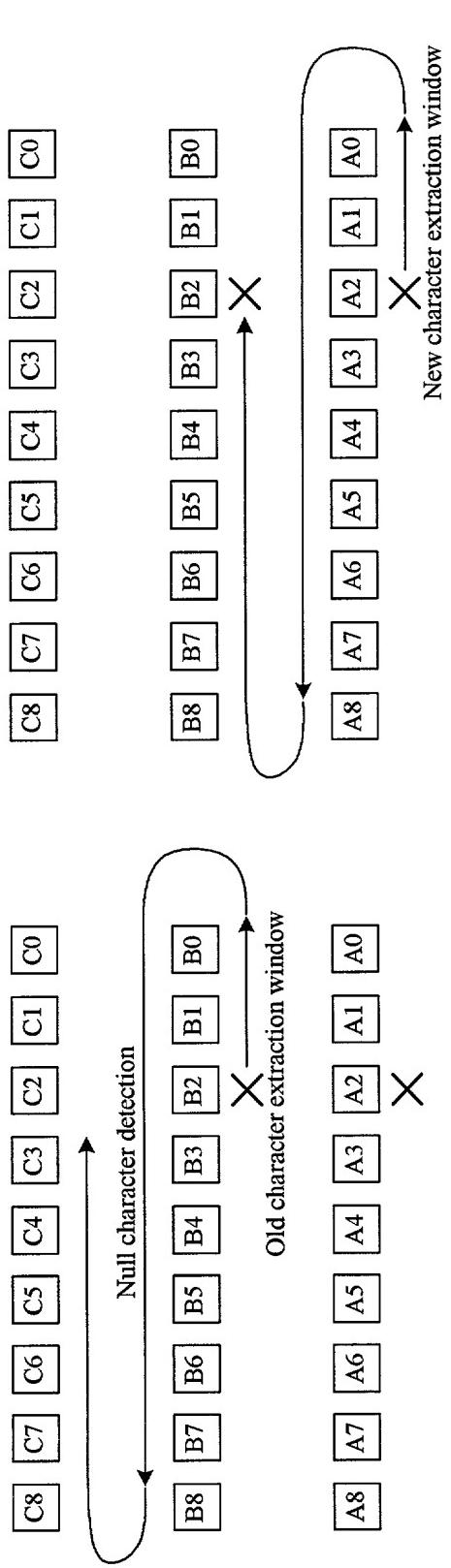


Fig. 48A

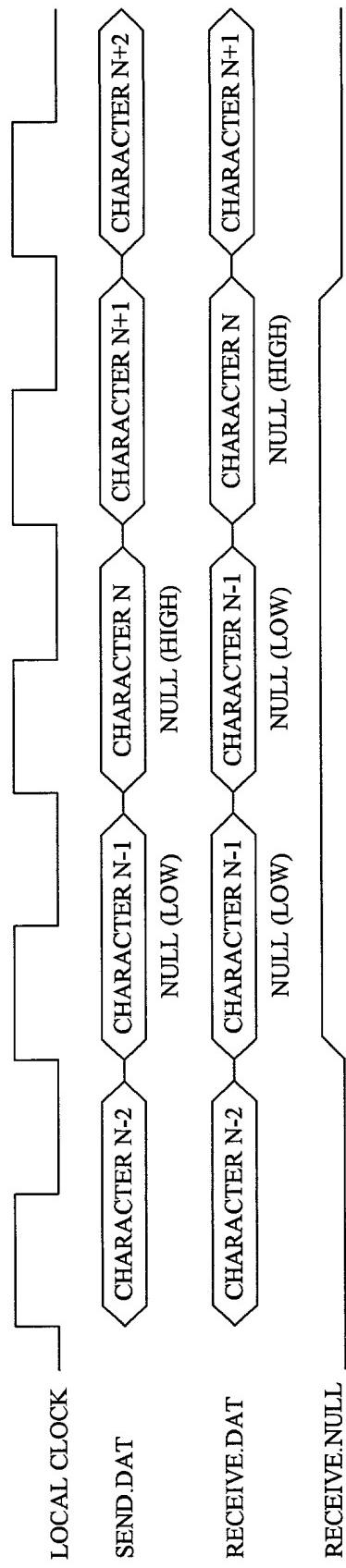


Fig. 48B

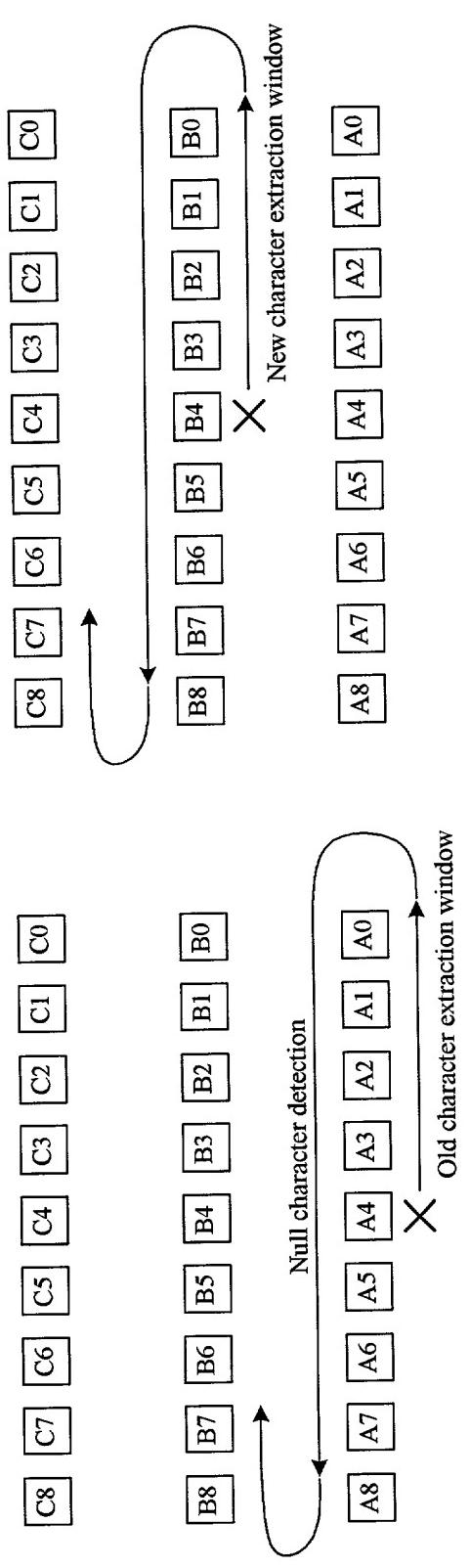


Fig. 49A

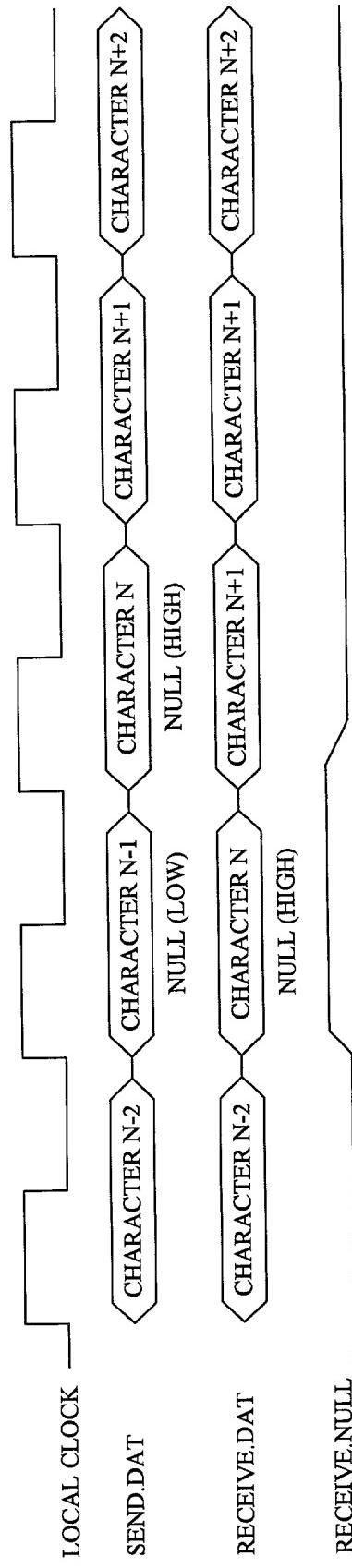


Fig. 49B